Tabule Alphonsi perspectiva
Arismetrica cuius ci Musica Muris

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

N. Inv. 546

6 33 9 11

17 [illegible] 1

[illegible] 31 39 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	
[illegible]	[illegible]	7	[illegible]	2	20	37	
10	[illegible]	2	[illegible]	6	10	[illegible]	30
8		0	10	28	[illegible]	[illegible]	
[illegible]		27	7	[illegible]	28	1	
2	1	42	32	31	[illegible]	3	30
1	0	36	16	18	21	1	[illegible]

[illegible]

8	0	[illegible]	10
6	0	18	8
[illegible]	0	12	7
3	0	9	[illegible]
2	0	6	2
1	0	3	1

[illegible] con luc a [illegible]: [illegible] 13 0 [illegible] 19 9 1

[illegible]: 1 6 [illegible] 0 [illegible] [illegible]

[illegible]: 8 [illegible] 2 3 [illegible] [illegible]
7 29 [illegible] 31 [illegible] 7

[illegible]: 7 11 [illegible] 17 7 [illegible] 0

[illegible] ad [illegible]: [illegible] 18 22 1 31 29 2

[illegible]: 0 [illegible] 26 [illegible] 10 13 22

[illegible] 19 26 [illegible] [illegible] [illegible] [illegible]

11 29 [illegible] [illegible]

[illegible]

[illegible]

[illegible]

Ista figuratio est eclipsis solis que fuit 4 punctorum ... anno domini 1448 ... defectum tabularum ...

29 die augusti ...

1	29	31	... principii eclipsis ...
15	36	39	... ad medium eclipsis
1	43	44	... ad finem eclipsis
2	18	16	duratio eclipsis

2 29 29 22 ...

2 29 29 40 ... Junii

1456

1241 ...

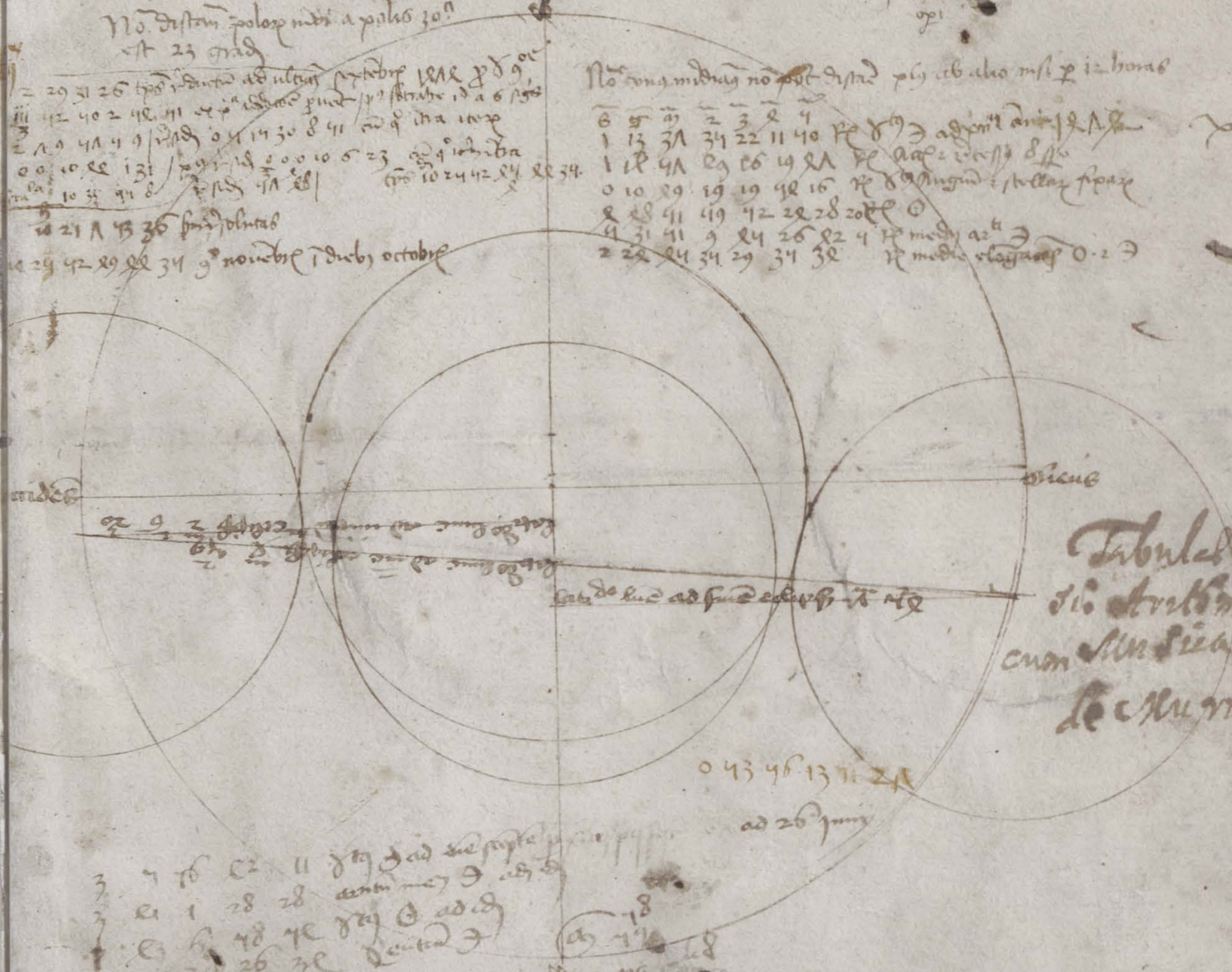
Anni 1462 ...

1283 ...

... 2492 ...

3103 ...

No. distantia polorum ... a polis 30 ... et 23 grad.



0 43 46 13 ...

ad 26 Junii

2 8 76

Tabulae Alphonsi. Arithmetica cum Musica Joan. de Muris.

Primo ab adam usque ad diluvium [illegible] anni 2242 [illegible] [illegible] anni 8 et dies 31 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] A noe ad abraham 1142 Ab abraham ad moysen 4[illegible] A moyse ad david 764 A david ad xpm 1043 A xpo autem redemptore usque ad [illegible] [illegible] 600.

1

Tabule ad inveniendum [illegible] ex xpo et ad inveniendum annos [illegible] [illegible] [illegible] 60 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 47 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 60 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] linea 30 [illegible] [illegible] [illegible] 47 [illegible] linea [illegible] [illegible] [illegible] 60 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 60 [illegible] [illegible] [illegible] [illegible] [illegible] 36[illegible] dies et [illegible] [illegible] 60 et [illegible] 60 [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ad 100 [illegible] [illegible] [illegible] 100 usque ad 1000 [illegible] [illegible] 1000 usque ad 10000 [illegible] [illegible] [illegible] [illegible] 36[illegible] dies [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 60 et [illegible] [illegible] [illegible] [illegible] [illegible] 1 2 3 4 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Abdon silvestri annunciacio virgo iungit [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Ab diluvio usque ad [illegible] dies				
Dies	Anni	[illegible]	[illegible]	60
179003	4373	3	14	47
929867	1998	3	4	30
797101	1794	6	20	30
990768	1762	8	0	30
409779	1626	6	0	30
479090				
373493				
230964				
226440				
860193				
1014933				
1019294				
1119099				
1132979				
1236767				
1379994				
1363798				
174980				
179101				
278906				
292986				
396393				
299801				
103427				
4341				
104146				
1141226				
221632				
347091				
348997				
99807				
113687				
219291				
340900				
374324				
13881				
119486				
240897				
244719				
103606				
229017				
231239				
123419				
129033				
36349				

Ianuarius 31
Febr 28
Marcius 31
April 30
Maius 31
Iunius 30
Iuli 31
Augustus 31
Septeb 30
October 31
Novemb 30
Decemb 31

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible]

Dñ̃a ade ⁊ diluuiũ 1 72 40 44
Dñ̃a ade ⁊ incarnacõis xp̃i 8 41 28 42

Incipiunt Tabule Illustrissimi Regis Alfonsi

Primo tabula differenciarum uniuscuiusque regni ad aliud atque nonnulla regnorum earum in sequentibus positarum tabulis.

Numerus	Sig	Differencie Regionum Regnorum	4ª	3ª	2ª	1ª
1	8	Diluuii et regis Alphonsi (anni 4373)	7	21	40	38
2	8	Nabuchodonosor et Alphonsi	3	22	44	25
3	8	Mortis Alexandri sed regis persarum et Alphonsi	2	39	45	5
4	8	Alexandri magni et Alphonsi	2	38	32	44
5	8	Cesaris et Alphonsi	2	10	44	19
6	8	Incarnacionis et Alphonsi	2	6	59	59
7	8	Diocleciani et Alphonsi	1	38	11	13
8	8	Regis arabum et Alphonsi	1	3	54	24
9	8	Yesdagirt et Alphonsi	1	2	54	0
10	8	Diluuii et Nabuchodonosor	3	28	56	13
11	8	Diluuii et Alexandri macedonis sed regis	4	41	55	32
12	8	Diluuii et Alexandri magni	4	43	7	54
13	8	Diluuii et ere Cesaris	5	10	51	19
14	8	Diluuii et Incarnacionis Christi	5	14	42	39
15	8	Diluuii et Diocleciani	5	43	29	25
16	8	Diluuii et ere arabum	6	17	46	14
17	8	Diluuii et ere persarum	6	18	46	38
18	8	Nabuchodonosor et Alexandri magni sed regis	0	42	59	20
19	8	Nabuchodonosor et Alexandri magni	0	44	11	41
20	8	Nabuchodonosor et ere Cesaris	1	11	55	6
21	8	Nabuchodonosor et Incarnacionis Christi	1	15	46	26
22	8	Nabuchodonosor et Diocleciani	1	44	33	12
23	8	Nabuchodonosor et ere arabum	2	18	30	1
24	8	Nabuchodonosor et Yesdagirt sed regis persarum	2	19	50	25
25	8	Mortis Alexandri regis persarum et Alexandri	0	1	12	21
26	8	Mortis Alexandri regis persarum et ere Cesaris	0	28	55	46
27	8	Mortis Alexandri regis persarum et Incarnacionis	0	32	47	6
28	8	Mortis Alexandri regis persarum et Diocleciani	1	1	35	52
29	8	Mortis Alexandri regis persarum et ere arabum	1	35	50	41
30	8	Mortis Alexandri regis persarum et ere persarum	1	36	51	5
31	8	Alexandri magni et ere Cesaris	0	27	43	25
32	8	Alexandri magni et Incarnacionis Christi	0	31	34	47
33	8	Alexandri magni et Diocleciani	1	0	26	31
34	8	Alexandri magni et ere arabum	1	34	38	20
35	8	Alexandri magni et ere persarum	1	35	38	44
36	8	Ere Cesaris et Incarnacionis	0	35	1	20
37	8	Ere Cesaris et Diocleciani	0	32	28	6
38	8	Ere Cesaris et ere arabum	1	6	50	55
39	8	Ere Cesaris et ere persarum	1	7	55	19
40	8	Incarnacionis et Diocleciani	0	28	46	46
41	8	Incarnacionis Christi et ere arabum	1	3	3	35
42	8	Incarnacionis Christi et ere persarum	1	4	3	54
43	8	Diocleciani et ere arabum	0	34	16	44
44	8	Diocleciani et ere persarum	0	35	17	13
45	8	Ere arabum et ere persarum	0	1	0	24

[annos pro bissextilibus]

Tabula motus ad colligendum [illegible] hic positus et ad componendum [illegible] alia [illegible]

Anni collecti in [illegible] alfonsi et dicti	4ª	3ª	2ª	1ª
40	0	4	3	30
60	0	6	5	15
80	0	8	7	0
100	0	10	8	45
200	0	20	17	30
300	0	30	26	15
400	0	40	35	0
500	0	50	43	45
600	1	0	52	30
700	1	11	1	15
800	1	21	10	0
900	1	31	18	45
1000	1	41	27	30
2000	3	22	55	0
3000	5	4	22	30
4000	6	45	50	0
5000	8	27	17	30
6000	10	8	45	0
7000	11	50	12	30
8000	13	31	40	0

Anni expansi Christi ad annos alphonsi et [illegible]

	Anni	3ª	2ª	1ª	60ª
	1	0	6	5	15
	2	0	12	10	30
	3	0	18	15	45
B	4	0	24	21	0
	5	0	30	26	15
	6	0	36	31	30
	7	0	42	36	45
B	8	0	48	42	0
	9	0	54	47	15
	10	1	0	52	30
	11	1	6	57	45
B	12	1	13	3	0
	13	1	19	8	15
	14	1	25	13	30
	15	1	31	18	45
B	16	1	37	24	0
	17	1	43	29	15
	18	1	49	34	30
	19	1	55	39	45
B	20	2	1	45	0

Anni expansi grecorum ad annos Alfonsi et dicti

	Anni	3ª	2ª	1ª	60ª
	1	0	6	5	30
	2	0	12	10	45
B	3	0	18	16	0
	4	0	24	21	15
	5	0	30	26	30
	6	0	36	31	45
B	7	0	42	37	0
	8	0	48	42	15
	9	0	54	47	30
	10	1	0	52	45
B	11	1	6	58	0
	12	1	13	3	15
	13	1	19	8	30
	14	1	25	13	45
B	15	1	31	19	0
	16	1	37	24	15
	17	1	43	29	30
	18	1	49	34	45
B	19	1	55	40	0
	20	2	1	45	15

Anni expansi Ere Cesaris

	Anni	2ª	3ª	1ª	60ª
	1	0	6	5	45
B	2	0	12	11	0
	3	0	18	16	15
	4	0	24	21	30
	5	0	30	26	45
B	6	0	36	32	0
	7	0	42	37	15
	8	0	48	42	30
	9	0	54	47	45
B	10	1	0	53	0
	11	1	6	58	15
	12	1	13	3	30
	13	1	19	8	45
B	14	1	25	14	0
	15	1	31	19	15
	16	1	37	24	30
	17	1	43	29	45
B	18	1	49	35	0
	19	1	55	40	15
	20	2	1	45	30

Menses latinorum ad annos alfonsi a Junio incipientes	2ª	1ª	Menses [illegible] ad annos [illegible] et [illegible]	2ª	1ª	Menses grecorum ad annos alfonsi [illegible]	2ª	1ª	Menses egyptiorum ad annos dicti [illegible]		
Junius	0	30	Ci Ja	0	31	Tisri prior	0	31	Tuth	0	30
Julius	1	1	Br Fe	0	59	Tisri 2	1	1	Baba	1	0
Augustus	1	32	Am Mar	1	30	Kanun prior	1	32	Hatur	1	30
September	2	2	Apr Ap	2	0	Kanun 2	2	3	Keyber	2	0
October	2	33	Josi Ma	2	31	Cavach	2	31	Tota Luno	2	30
November	3	3	Ju Jun	3	1	Adar	3	4	Amshir	3	0
December	3	34	Jula Jul	3	32	Nysan	3	31	Barmaat	3	30
Januarius	4	5	Jos Aug	4	3	Iyar	4	3	Bolada	4	0
Februarius	4	33	Ey Sep	4	33	Haziran	4	33	Bysbuys	4	30
Martius	5	4	Ky Oc	5	4	Tammuz	5	4	Buba	5	0
Aprilis	5	34	Om No	5	34	Ab	5	34	Abib	5	30
Maius	6	5	De De	6	5	Elul	6	5	Massre	6	5

										2ª	1ª
Junius	0	30	Ci Ja	0	31	Tisri prior	0	31	Tuth	0	30
Julius	1	1	Br Fe	1	0	Tisri 2	1	1	Baba	1	0
Augustus	1	32	Am Mar	1	31	Kanun prior	1	32	Hatur	1	30
September	2	2	Apr Ap	2	1	Kanun 2	2	3	Keyber	2	0
October	2	33	Josi Ma	2	32	Cavach	2	32	Tota Luno	2	30
November	3	3	Nu Jun	3	2	Adar	3	4	Amshir	3	0
December	3	34	Jula Jul	3	33	Nysan	3	34	Barmaat	3	30
Januarius	4	5	Jos Aug	4	4	Iyar	4	6	Bolada	4	0
Februarius	4	34	Eye Sep	4	34	Haziran	4	36	Bysbuys	4	30
Martius	5	4	Ky Oc	5	5	Tammuz	5	5	Buba	5	0
Aprilis	5	34	Om No	5	35	Ab	5	36	Abib	5	30
Maius	6	6	De De	6	6	Elul	6	6	Massre	6	6

Anni christi incipiunt feria 1
Anni persarum incipiunt feria 3 [illegible]
Anni grecorum incipiunt feria 2 [illegible]
Anni [illegible] incipiunt feria 4 [illegible]
[illegible] anni nati in nocte [illegible] die sabbati
et [illegible] Junii 74

Era arabum fuit [illegible] anno 621
Era grecorum precessit eram arabum annis 932
[illegible] diebus 2624
[illegible]

Ja mar ma Jul aug oc de decem tribus et vnum
Alii triginta sed februus octo viginti

[illegible marginal note]

[illegible marginal note]

Anni expansi et collecti motus 8e spere diluviani pro propter alios atque persarum

Anni	4	3	2	1		Anni	3	2	1	60
40	0	4	3	20		1	0	6	5	0
60	0	6	5	0		2	0	12	10	0
80	0	8	6	40		3	0	18	15	0
100	0	10	8	20		4	0	24	20	0
200	0	20	16	40		5	0	30	25	0
300	0	30	25	0		6	0	36	30	0
400	0	40	33	20		7	0	42	35	0
500	0	50	41	40		8	0	48	40	0
600	1	0	50	0		9	0	54	45	0
700	1	10	58	20		10	1	0	50	0
800	1	21	6	40		11	1	6	55	0
900	1	31	15	0		12	1	13	0	0
1000	1	41	23	20		13	1	19	5	0
2000	3	22	46	40		14	1	25	10	0
3000	5	4	10	0		15	1	31	15	0
4000	6	45	33	20		16	1	37	20	0
5000	8	26	56	40		17	1	43	25	0
6000	10	8	20	0		18	1	49	30	0
7000	11	49	43	20		19	1	55	35	0
8000	13	31	6	40		20	2	1	40	0

Tabula adinveniendi cum arabum et expansis quibus incognitis et alia natura

Anni	4	3	2	1		Anni	3	2	1	60
30	0	2	57	11		1	0	5	54	11
60	0	5	54	22	b	2	0	11	48	22
90	0	8	51	33		3	0	17	43	33
120	0	11	48	44		4	0	23	37	14
150	0	14	45	55		5	0	29	30	27
180	0	17	43	6	b	6	0	35	26	6
210	0	20	40	17		7	0	41	21	17
240	0	23	37	28		8	0	47	15	28
270	0	26	34	39		9	0	53	9	9
300	0	29	31	50	b	10	0	59	4	20
330	0	32	29	1		11	1	4	58	1
360	0	35	26	12		12	1	10	52	12
390	0	38	23	23		13	1	18	47	23
420	0	41	20	34	b	14	1	22	41	4
450	0	44	17	45		15	1	28	37	15
480	0	47	14	56		16	1	34	30	26
510	0	50	12	7		17	1	40	24	7
540	0	53	9	18	b	18	1	46	19	18
570	0	56	6	29		19	1	52	13	29
600	0	59	3	40		20	1	58	7	10
630	1	2	0	51		21	2	4	2	21
660	1	4	58	2	b	22	2	9	56	2
690	1	7	55	13		23	2	15	50	13
720	1	8	52	24		24	2	21	47	24
750	1	13	49	35		25	2	27	39	7
780	1	16	46	46	b	26	2	33	34	16
810	1	19	43	57		27	2	39	28	27
840	1	22	41	8		28	2	45	22	8
870	1	25	38	19		29	2	51	17	19
900	1	28	35	30	b	30	2	57	11	0
1800	2	57	11	0						
2700	4	25	46	30						
3600	5	54	22	0						
4500	7	22	57	30						
5400	8	51	33	0						
6300	10	20	8	30						
7200	11	48	44	0						
8100	13	17	19	30						

Tabula mensium Egipciorum quibus utimur in annis diluvii et nabuchodonosor et Philippi super almagesti

Tabula Mensium Persarum

	2	1		2	1
Tuth	0	30	Alfurdahmt	0	30
Baba	1	0	Ardahint	1	0
Atto	1	30	Ardithsint	1	30
Kayach	2	0	Clamavint	2	0
Tobi	2	30	Mardeint	2	30
Machir	3	0	Carthinot	3	0
Phemena	3	30	Maharmt	3	30
Auch	4	0	Alamech	4	0
Marmai	4	30	Adrimut	4	30
Mactor	5	0	Demech	5	0
Sepattica	5	30	Bemomit	5	30
Mamori	6	0	Asfurdant	6	0

Menses anni	2	1
Mattaram	0	30
Safar	0	59
Rabe primus	1	29
Rabe 2	1	58
Jumet primus	2	28
Jumet 2	2	57
Ral rareb	3	27
Cessabenal	3	56
Ramadan	4	26
Sauel	4	55
Dulkiada	5	25
l dulsida	5	54
Dulcisida vel dulsesida		

Tabula Extractionis unius ere ex alia quotiens sit positis per annos alphonsii

Anni annorum collecti Alphonsii	Inventio dierum et annorum Julii per annos alphonsii 4	3	2	1	Inventio dierum et annorum Nabuchodonosor per annos alphonsii 4	3	2	1	Inventio dierum et annorum mortis Allexandri per annos alphonsii 4	3	2	1	Inventio dierum et annorum Allexandri per annos alphonsii 4	3	2	1	Inventio dierum et annorum Cesaris per annos alphonsii 4	3	2	1
Radices	7	21	40	38	3	22	44	27	2	39	45	5	2	38	32	44	2	10	49	19
20	7	23	42	23	3	24	46	10	2	41	46	50	2	40	34	29	2	12	51	4
40	7	25	44	8	3	26	47	55	2	43	48	35	2	42	36	14	2	14	52	49
60	7	27	45	53	3	28	49	40	2	45	50	20	2	44	37	59	2	16	54	34
80	7	29	47	38	3	30	51	25	2	47	52	5	2	46	39	44	2	18	56	19
100	7	31	49	23	3	32	53	10	2	49	53	50	2	48	41	29	2	20	58	4
120	7	33	51	8	3	34	54	55	2	51	55	35	2	50	43	14	2	22	59	49
140	7	35	52	53	3	36	56	40	2	53	57	20	2	52	44	59	2	25	1	34
160	7	37	54	38	3	38	58	25	2	55	59	5	2	54	46	44	2	27	3	19
180	7	39	56	23	3	41	0	10	2	58	0	50	2	56	48	29	2	29	5	4
200	7	41	58	8	3	43	1	55	2	0	2	35	2	58	50	14	2	31	6	49
220	7	43	59	53	3	45	3	40	3	2	4	20	3	0	51	59	2	33	8	34
240	7	46	1	38	3	47	5	25	3	4	6	5	3	2	53	44	2	35	10	19
260	7	48	3	23	3	49	7	10	3	6	7	50	3	4	55	29	2	37	12	4
280	7	50	5	8	3	51	8	55	3	8	9	35	3	6	57	14	2	39	13	49
300	7	52	6	53	3	53	10	40	3	10	11	20	3	8	58	59	2	41	15	34
320	7	54	8	38	3	55	12	25	3	12	13	5	3	11	0	44	2	43	17	19
340	7	56	10	23	3	57	14	10	3	14	14	50	3	13	2	29	2	45	19	4
360	7	58	12	8	3	59	15	55	3	16	16	35	3	15	4	14	2	47	20	49
380	8	0	13	53	4	1	17	40	3	18	18	20	3	17	5	59	2	49	22	34
400	8	2	15	38	4	3	19	25	3	20	20	5	3	19	7	44	2	51	24	19
420	8	4	17	23	4	5	21	10	3	22	21	50	3	21	9	29	2	53	26	4
440	8	6	19	8	4	7	22	55	3	24	23	35	3	23	11	14	2	55	27	49
460	8	8	22	53	4	9	24	40	3	26	25	20	3	25	12	59	2	57	29	34
480	8	10	22	38	4	11	26	25	3	28	27	5	3	27	14	44	2	59	31	19
500	8	12	24	23	4	13	28	10	3	30	28	50	3	29	16	29	2	1	33	4
520	8	14	26	8	4	15	29	55	3	32	30	35	3	31	18	14	3	3	34	49
540	8	16	27	53	4	17	31	40	3	34	32	20	3	33	19	59	3	5	36	34
560	8	18	29	38	4	19	33	25	3	36	34	5	3	35	21	44	3	7	38	19
580	8	20	31	23	4	21	35	10	3	38	35	50	3	37	23	29	3	9	40	4
600	8	22	33	8	4	23	36	55	3	40	37	35	3	39	25	14	3	11	41	49
620	8	24	34	53	4	25	38	40	3	42	39	20	3	41	26	59	3	13	43	34
640	8	26	36	38	4	27	40	25	3	44	41	5	3	43	28	44	3	15	45	19
660	8	28	38	23	4	29	42	10	3	46	42	50	3	45	30	29	3	17	47	4
680	8	30	40	8	4	31	43	55	3	48	44	35	3	47	32	14	3	19	48	49
700	8	32	41	53	4	33	45	40	3	50	46	20	3	49	33	59	3	21	50	34
720	8	34	43	38	4	35	47	25	3	52	48	5	3	51	35	44	3	23	52	19
740	8	36	45	23	4	37	49	10	3	54	49	50	3	53	37	29	3	25	54	4
760	8	38	47	8	4	39	50	55	3	56	51	35	3	55	39	14	3	27	55	49

Tabula [illegible] | [illegible] Tabula [illegible] | Tabula [illegible]

Anni annorum collecti alfonsi	Inventio [illegible] 4	3	2	1	Inventio diff. et ad. [illegible] 4	3	2	1	Inventio diff. et ad. [illegible] 4	3	2	1	Inventio diff. et ad. [illegible] 4	3	2	1
Radices	2	6	54	59	1	38	11	13	1	3	54	24	1	2	54	0
20	2	8	59	44	1	40	12	58	1	5	56	9	1	4	55	45
40	2	11	1	29	1	42	14	43	1	7	57	54	1	6	57	30
60	2	13	3	14	1	44	16	28	1	9	59	39	1	8	59	15
80	2	15	4	59	1	46	18	13	1	12	1	24	1	11	1	0
100	2	17	6	44	1	48	19	58	1	14	3	9	1	13	2	45
120	2	19	8	29	1	50	21	43	1	16	4	54	1	15	4	30
140	2	21	10	14	1	52	23	28	1	18	6	39	1	17	6	15
160	2	23	11	59	1	54	25	13	1	20	8	24	1	19	8	0
180	2	25	13	44	1	56	26	58	1	22	10	9	1	21	9	45
200	2	27	15	29	1	58	28	43	1	24	11	54	1	23	11	30
220	2	29	17	14	2	0	30	28	1	26	13	39	1	25	13	15
240	2	31	18	59	2	2	32	13	1	28	15	24	1	27	15	0
260	2	33	20	44	2	4	33	58	1	30	17	9	1	29	16	45
280	2	35	21	29	2	6	35	43	1	32	18	54	1	31	18	30
300	2	37	24	14	2	8	37	28	1	34	20	39	1	33	20	15
320	2	39	25	59	2	10	39	13	1	36	22	24	1	35	22	0
340	2	41	27	44	2	12	40	58	1	38	24	9	1	37	23	45
360	2	43	29	29	2	14	42	43	1	40	25	54	1	39	25	30
380	2	45	31	14	2	16	44	28	1	42	27	39	1	41	27	15
400	2	47	32	59	2	18	46	13	1	44	29	24	1	43	29	0
420	2	49	34	44	2	20	47	58	1	46	31	9	1	45	30	45
440	2	51	36	29	2	22	49	43	1	48	32	54	1	47	32	30
460	2	53	38	14	2	24	51	28	1	50	34	39	1	49	34	15
480	2	55	39	59	2	26	53	13	1	52	36	24	1	51	36	0
500	2	57	41	44	2	28	54	58	1	54	38	9	1	53	37	45
520	2	59	43	29	2	30	56	43	1	56	39	54	1	55	39	30
540	3	1	45	14	2	32	58	28	1	58	41	39	1	57	41	15
560	3	3	46	59	2	35	0	13	2	0	43	24	1	59	43	0
580	3	5	48	44	2	37	1	58	2	2	45	9	2	1	44	45
600	3	7	50	29	2	39	3	43	2	4	46	54	2	3	46	30
620	3	9	52	14	2	41	5	28	2	6	48	39	2	5	48	15
640	3	11	53	59	2	43	7	13	2	8	50	24	2	7	50	0
660	3	13	55	44	2	45	8	58	2	10	52	9	2	9	51	45
680	3	15	56	29	2	47	10	43	2	12	53	54	2	11	53	30
700	3	17	58	14	2	49	12	28	2	14	55	39	2	13	55	15
720	3	20	0	59	2	51	14	13	2	16	57	24	2	15	57	0
740	3	22	2	44	2	53	15	58	2	18	59	9	2	17	58	45
760	3	24	4	29	2	55	17	43	2	20	0	24	2	20	0	30

Ex [illegible] in annis expansis

	Anni	4	3	2	1
	1	0	0	6	5
	2	0	0	12	10
	3	0	0	18	15
b	4	0	0	24	21
	5	0	0	30	26
	6	0	0	36	31
	7	0	0	42	36
b	8	0	0	48	42
	9	0	0	54	47
	10	0	1	0	52
	11	0	1	6	57
b	12	0	1	13	3
	13	0	1	19	8
	14	0	1	25	13
	15	0	1	31	18
b	16	0	1	37	24
	17	0	1	43	29
	18	0	1	49	34
	19	0	1	55	39
b	20	0	2	1	45

Hore	[illegible]	[illegible]	[illegible]	
1	0	0	2	30
2	0	0	5	0
3	0	0	7	30
4	0	0	10	0
5	0	0	12	30
6	0	0	15	0
7	0	0	17	30
8	0	0	20	0
9	0	0	22	30
10	0	0	25	0
11	0	0	27	30
12	0	0	30	0
13	0	0	32	30
14	0	0	35	0
15	0	0	37	30
16	0	0	40	0
17	0	0	42	30
18	0	0	45	0
19	0	0	47	30
20		0	50	0
21		0	52	30
22		0	55	0
23		0	57	30
24		1	0	0

Tabula [illegible] horarum

[illegible]

Ista tabula proponit quot hore ad minuta dierum reddunt.

Ista tabula docet quot minuta dierum ad horas reddunt.

4

Tabula litterarum dominicalium mensis ut dicem ... istorum valuerit

	1	2	3	4		1	2	3	4
1	1	4	2	1	31	3	5	6	3
2	2	1	4	2	32	4	2	1	4
3	3	5	6	3	33	5	6	3	5
4	4	2	1	4	34	6	3	5	6
5	5	6	3	5	35	7	7	7	7
6	6	3	5	6	36	1	4	2	1
7	7	7	7	7	37	2	1	4	2
8	1	4	2	1	38	3	5	6	3
9	2	1	4	2	39	4	2	1	4
10	3	5	6	3	40	5	6	3	5
11	4	2	1	4	41	6	3	5	6
12	5	6	3	5	42	7	7	7	7
13	6	3	5	6	43	1	4	2	1
14	7	7	7	7	44	2	1	4	2
15	1	4	2	1	45	3	5	6	3
16	2	1	4	2	46	4	2	1	4
17	3	5	6	3	47	5	6	3	5
18	4	2	1	4	48	6	3	5	6
19	5	6	3	5	49	7	7	7	7
20	6	3	5	6	50	1	4	2	1
21	7	7	7	7	51	2	1	4	2
22	1	4	2	1	52	3	5	6	3
33	2	1	4	2	53	4	2	1	4
24	3	5	6	3	54	5	6	3	5
25	4	2	1	4	55	6	3	5	6
26	5	6	3	5	56	7	7	7	7
27	6	3	5	6	57	1	4	2	1
28	7	7	7	7	58	2	1	4	2
29	1	4	2	1	59	3	5	6	3
30	2	1	4	2	60	4	2	1	4

Tabula ad sciendum minuta horarum et cetera fractiones prima minuta secunda et cetera fractiones

Dies	hore	minuta	secunda	Dies	hore	minuta	secunda
1	0	2	30	31	1	17	30
2	0	5	0	32	1	20	0
3	0	7	30	33	1	22	30
4	0	10	0	34	1	25	0
5	0	12	30	35	1	27	30
6	0	15	0	36	1	30	0
7	0	17	30	37	1	32	30
8	0	20	0	38	1	35	0
9	0	22	30	39	1	37	30
10	0	25	0	40	1	40	0
11	0	27	30	41	1	42	30
12	0	30	0	42	1	45	0
13	0	32	30	43	1	47	30
14	0	35	0	44	1	50	0
15	0	37	30	45	1	52	30
16	0	40	0	46	1	55	0
17	0	42	30	47	1	57	30
18	0	45	0	48	2	0	0
19	0	47	30	49	2	2	30
20	0	50	0	50	2	5	0
21	0	52	30	51	2	7	30
22	0	55	0	52	2	10	0
23	0	57	30	53	2	12	30
24	1	0	0	54	2	15	0
25	1	2	30	55	2	17	30
26	1	5	0	56	2	20	0
27	1	7	30	57	2	22	30
28	1	10	0	58	2	25	0
29	1	12	30	59	2	27	30
30	1	15	0	60	2	30	0

Tabula ad sciendum horas et suas fractiones prima minuta de secundis et suas fractiones

Dies	hore	minuta	Dies	hore	minuta
1	0	24	31	12	24
2	0	48	32	12	48
3	1	12	33	13	12
4	1	36	34	13	36
5	2	0	35	14	0
6	2	24	36	14	24
7	2	48	37	14	48
8	3	12	38	15	12
9	3	36	39	15	36
10	4	0	40	16	0
11	4	24	41	16	24
12	4	48	42	16	48
13	5	12	43	17	12
14	5	36	44	17	36
15	6	0	45	18	0
16	6	24	46	18	24
17	6	48	47	18	48
18	7	12	48	19	12
19	7	36	49	19	36
20	8	0	50	20	0
21	8	24	51	20	24
22	8	48	52	20	48
23	9	12	53	21	12
24	9	36	54	21	36
25	10	0	55	22	0
26	10	24	56	22	24
27	10	48	57	22	48
28	11	12	58	23	12
29	11	36	59	23	36
30	12	0	60	24	0

Radices motuum hic positorum ad eras hic positas

Radices motus octave spere ad eras hic positas

	S	g	m	2a
Diluvii	0	19	41	4
Cum motu	3	2	75	12
Nabuchodonosor	7	20	48	0
Cum motu	0	7	40	25
Philippi	7	42	37	25
Cum motu	0	7	40	25
Alexandri	7	42	12	5
Cum motu	0	2	37	39
Cesaris	10	14	11	18
Cum motu	0	0	27	41
Incarnationis	1	79	12	34
Cum motu	0	0	5	21
Alhigere	0	21	10	26
Cum motu	0	4	38	42
Yesdagird	0	21	41	3
Cum motu	0	4	42	41
Alphonsi	1	3	34	4
Cum motu	0	8	4	1

Tabula radicum medii motus solis ad eras subscriptas omnis Veneris et Mercurii

	S	g	m	2a	3a	4a
Diluvii	7	1	33	32	78	49
Nabuchodonosor	7	25	48	42	21	9
Philippi	3	40	26	43		7
Alexandri	3	7	8	21	42	23
Cesaris	4	25	34	41	16	19
Incarnationis	4	38	21	0	30	28
Alhigere	1	74	12	2	0	70
Yesdagird	1	26	70	79	11	0
Alphonsi	1	16	35	12	38	42

Tabula radicum argumenti latitudinis lune ad eras hic positas

	S	g	m	2a	3a	4a
Diluvii	2	24	31	4	49	28
Nabuchodonosor	1	13	15	42	0	42
Alexandri	7	17	76	34	1	12
Cesaris	3	11	6	78	4	15
Incarnationis	3	34	42	42	7	34
Arabum	7	77	5	71	77	15
Yesdagird	0	78	15	30	6	4
Alphonsi	2	32	4	5	3	0

Tabula radicum medii motus lune ad eras subscriptas

	S	g	m	2a	3a	4a
Diluvii	4	55	49	43	12	3
Nabuchodonosor	3	24	26	43	14	72
Alexandri	2	4	21	1	0	38
Cesaris	1	74	21	20	22	75
Incarnationis	2	2	46	70	16	40
Alhigere	2	2	1	16	22	72
Yesdagird	7	72	16	32	7	2
Alphonsi	7	36	7	21	11	42

Tabula radicum capitis draconis ad eras subscriptas

	S	g	m	2a	3a
Diluvii	3	36	77	21	15
Nabuchodonosor	0	46	44	79	7
Alexandri	3	11	44	33	20
Cesaris	1	11	77	34	7
Incarnationis	1	31	77	72	41
Alhigere	3	73	20	31	71
Yesdagird	1	7	14	78	21
Alphonsi	2	76	12	40	12

Tabula radicum augium Solis et Veneris simul cum motu octave spere ad eras subscriptas

	S	g	m	2a
Diluvii	0	48	35	0
Nabuchodonosor	1	7	76	1
Alexandri	1	9	8	4
Cesaris	1	11	6	6
Incarnationis	1	11	27	23
Alhigere	1	17	9	14
Yesdagird	1	16	3	43
Alphonsi	1	20	36	0

Tabula radicum medii argumenti lune ad eras hic subscriptas

	S	g	m	2a	3a	4a
Diluvii	3	42	47	4	35	44
Nabuchodonosor	4	13	3	49	74	42
Alexandri	4	27	45	30	18	24
Cesaris	4	70	75	11	30	2
Incarnationis	3	19	0	14	31	15
Alhigere	1	45	21	24	42	28
Yesdagird	4	74	72	32	34	20
Alphonsi	4	20	71	45	9	0

Tabula radicum medie elongationis Solis et lune ad eras hic positas

	S	g	m	2a	3a
Diluvii	7	46	26	10	73
Nabuchodonosor	0	48	78	0	74
Alexandri	4	79	12	39	18
Cesaris	3	16	70	39	5
Incarnationis	3	24	27	49	46
Alhigere	0	5	9	14	33
Yesdagird	4	26	27	32	74
Alphonsi	4	14	28	18	33

Radices motuum hic positorum ad annos hic positas

Tabula radicum Saturni

	s	g	m	2	3
Diluvii	4	43	39	45	43
Nabu	4	56	38	55	55
Allex	3	46	0	47	52
Cesaris	5	29	9	55	23
Incar	1	14	7	20	12
Arab	1	58	21	0	2
Persar	3	59	44	31	49
Alphons	2	24	44	33	27

Tabula radicum argumenti Mercurii

	s	g	m	2	3
Dilu	5	58	59	31	14
Nab	0	20	29	14	51
Allex	0	19	56	26	19
Cesa	2	4	22	14	6
Incar	0	45	23	57	29
Arab	1	13	26	14	32
Persar	2	52	7	36	18
Alphons	3	33	48	28	56

Radices augium Martis

	s	g	m	2	3
Dilu	1	32	24	51	41
Nab	1	49	[illegible]	2 51	41
Allex	1	12	55	0	45
Cesa	1	54	55	27	57
Incar	1	55	12	13	4
Arab	1	59	46	11	58
Persar	1	59	50	34	24
Alphonsi	2	4	23	51	41

Tabula radicum Iovis

	s	g	m	2	3
Diluvii	5	21	2	3	59
Nabu	3	4	42	54	59
Allex	1	30	19	7	57
Cesa	1	46	49	6	9
Incar	3	0	37	20	44
Arab	5	31	43	9	52
Persar	4	32	58	19	10
Alphons	0	16	16	51	13

R. augium Saturni secundum motum 8ᵉ sphere

8ᵉ spe	s	g	m	2	3
Dilu	3	33	26	20	41
Nab	3	47	5	28	41
Allex	3	51	6	29	45
Cesa	3	53	6	26	57
Incar	3	53	23	42	4
Arab	3	58	57	40	48
Persar	3	58	2	3	24
Alphons	4	2	51	20	41

R. augium Martis secundum motum 8ᵉ sphere

8ᵉ spe	s	g	m	2	3
Dilu	2	47	52	11	41
Nab	3	5	10	19	41
Allex	3	8	22	20	45
Cesa	3	10	22	4	57
Incar	3	10	39	33	4
Arab	3	15	13	31	58
Persar	3	15	17	54	24
Alphons	3	19	51	11	41

Tabula R. centri Veneris

	s	g	m	2	3
Dilu	4	53	58	20	22
Nab	0	3	2	11	59
Allex	3	42	45	53	26
Cesa	5	27	21	44	31
Incar	0	41	27	29	44
Arab	3	35	42	3	32
Persar	7	11	55	23	7
Alphonso	3	1	51	36	19

(43, written after the Alphonso row)

R. augium Iovis secundum motum 8ᵉ sphere

8ᵉ spe	s	g	m	2	3
Dilu	2	10	38	41	49
Nab	2	28	46	41	7
Allex	2	31	4	47	19
Cesa	2	33	14	57	20
Incar	2	33	37	0	4
Arab	2	38	58	58	10
Persar	2	40	21	24	51
Alphons	2	42	38	41	48

Tabula R. argumenti Veneris

	s	g	m	2	3
Diluvii	0	42	18	39	31
Nabu	1	52	20	16	56
Allex	4	0	46	31	42
Cesa	3	32	7	44	7
Incar	2	9	22	2	35
Arab	0	47	41	19	16
Persar	2	1	56	28	13
Alphons	0	45	45	55	19

Tabula R. [illegible] an.

Dilu	5
Nab	4
Phili	2
Allex	2
Cesaris	1
Incar	7
Iude	6
Arab	5
Persar	3
Alphonso	7

Et ipsa per se R. applica

Tabula revolutionum annorum et mensium

Anni	Dies	Horae	m	2	3	4	5
1	28	2	17	38	9	11	51
2	56	4	35	16	18	23	42
3	84	6	52	54	27	35	33
4	112	9	10	32	36	47	24
5	140	11	28	10	45	59	15
6	168	13	45	48	55	11	6
7	196	16	3	27	4	22	57
8	224	18	21	5	13	34	48
9	252	20	38	43	22	46	39
10	280	22	56	21	31	58	30
11	309	1	13	59	41	10	21
12	337	3	31	37	50	22	12
13	365	5	49	15	59	34	3

[illegible] pol parte [illegible]

Tabula revolucionis annorum arabicorum

Anni	Gradus	m	2a	3a
1	87	19	6	
2	174	38	12	
3	261	57	18	
4	349	16	24	
5	76	35	30	
6	163	54	36	
7	251	13	42	
8	338	32	48	
9	65	51	54	
10	153	11	0	
11	240	30	6	
12	327	49	12	
13	55	8	18	
14	142	27	24	
15	229	46	30	
16	317	5	36	
17	44	24	42	
18	131	43	48	
19	219	2	54	
20	306	22	0	
40	252	44	0	
60	199	6	0	
80	145	28	0	
100	91	50	0	
200	189	40	0	
300	157	30	0	
400	7	20	0	
500	99	10	0	
600	191	0	0	
700	282	50	0	
800	14	40	0	

Tabula inclusionis annorum medii in finibus [illegible]

Anni	Gradus	m	2a	3a	
1	7	49	16		
2	11	38	32	57	24
3	17	27	48	11	6
4	23	17	9	54	38
5	5	6	20	38	30
6	10	55	36	22	12
7	16	44	50	5	54
8	22	34	6	49	36
9	4	23	22	33	18
10	10	12	37	17	0
11	16	1	53	0	42
12	21	51	9	44	24
13	3	40	24		
14	9	29	40		
15	15	19	56		
16	21	8	12		
17	2	57	27	0	
18	8	46	43		
19	14	35	59		
20	20	25	15		
40	16	50	29	0	
60	13	16	42		
80	19	41	58		
100	6	6	13		
200	12	13	26		
300	18	20	39		
400	0	26	52		
500	6	33	4		
600	12	40	17		
700	18	46	30		
800	0	53	42		

Tabula equacionis motus accessionis et recessionis octave spere capitis arietis et librae

Numerus graduum	Gradus	m	2a	Numerus graduum	Gradus	m	2a	Numerus graduum	Gradus	m	2a
1	0	9	25	31	4	37	17	61	7	52	49
2	0	18	49	32	4	45	18	62	7	57	19
3	0	28	11	33	4	53	14	63	8	0	41
4	0	37	32	34	5	1	5	64	8	4	56
5	0	46	52	35	5	8	51	65	8	9	2
6	0	56	12	36	5	16	30	66	8	13	18
7	1	5	32	37	5	24	4	67	8	18	45
8	1	14	28	38	5	31	33	68	8	20	23
9	1	24	4	39	5	38	57	69	8	23	52
10	1	33	20	40	5	46	16	70	8	27	12
11	1	42	35	41	5	53	25	71	8	30	23
12	1	51	46	42	6	0	29	72	8	33	24
13	2	0	57	43	6	7	26	73	8	36	55
14	2	10	6	44	6	14	17	74	8	38	56
15	2	19	13	45	6	21	2	75	8	41	28
16	2	28	17	46	6	27	40	76	8	43	50
17	2	37	16	47	6	34	10	77	8	46	2
18	2	46	11	48	6	40	33	78	8	48	5
19	2	55	2	49	6	46	49	79	8	49	54
20	3	3	49	50	6	52	58	80	8	51	44
21	3	12	47	51	6	59	0	81	8	53	10
22	3	21	36	52	7	4	53	82	8	54	41
23	3	30	20	53	7	10	38	83	8	55	55
24	3	38	57	54	7	16	17	84	8	56	0
25	3	47	27	55	7	21	44	85	8	57	55
26	3	55	54	56	7	27	7	86	8	58	44
27	4	4	17	57	7	32	21	87	8	59	17
28	4	12	38	58	7	37	27	88	8	59	48
29	4	20	55	59	7	42	33	89	8	59	55
30	4	29	10	60	7	47	10	90	9	0	0

[illegible] [illegible] [illegible]

Nota quod tabula revolucionis annorum mediorum per cursum [illegible] quod sol ad eundem punctum non revertitur in 365 diebus et quinque horis 49 minutis et 2a 18, 3a 18, 4a 32 et 5a 3 [illegible] et ideo non [illegible] fractionibus [illegible] quia 365 diebus et 6 horis et [illegible] fractionibus [illegible] horarum [illegible] et non [illegible] 49 minutis [illegible] in fine revolucionis [illegible] 24 hore [illegible] per 20 [illegible] et [illegible] 40 [illegible]

Radix Medii Motus 8ᵉ sphere reducta ad Cracoviam

S	G	M	2	3	4
5	59	12	33	58	10

Tabula coniuncti Motus Accessus et recessus octavi circuli

	1	2	3	4						1	2	3	4				
1	0	0	0	0	30	29	49	0	31	0	0	0	15	42	49	18	0
2	0	0	0	1	0	49	38	0	32	0	0	0	16	13	14	8	0
3	0	0	0	1	31	14	27	0	33	0	0	0	16	43	38	57	0
4	0	0	0	2	1	39	16	0	34	0	0	0	17	14	3	46	0
5	0	0	0	2	32	4	5	0	35	0	0	0	17	44	28	35	0
6	0	0	0	3	2	28	54	0	36	0	0	0	18	14	53	24	0
7	0	0	0	3	32	53	43	0	37	0	0	0	18	45	18	13	0
8	0	0	0	4	3	18	32	0	38	0	0	0	19	15	43	2	0
9	0	0	0	4	33	43	21	0	39	0	0	0	19	46	7	51	0
10	0	0	0	5	4	8	10	0	40	0	0	0	20	16	32	40	0
11	0	0	0	5	34	32	59	0	41	0	0	0	20	46	57	29	0
12	0	0	0	6	4	57	48	0	42	0	0	0	21	17	22	18	0
13	0	0	0	6	35	22	37	0	43	0	0	0	21	47	47	7	0
14	0	0	0	7	5	47	26	0	44	0	0	0	22	18	11	56	0
15	0	0	0	7	36	12	15	0	45	0	0	0	22	48	36	45	0
16	0	0	0	8	6	37	4	0	46	0	0	0	23	19	1	34	0
17	0	0	0	8	37	1	55	0	47	0	0	0	23	49	26	23	0
18	0	0	0	9	7	26	42	0	48	0	0	0	24	19	51	12	0
19	0	0	0	9	37	51	31	0	49	0	0	0	24	50	16	1	0
20	0	0	0	10	8	16	20	0	50	0	0	0	25	20	40	50	0
21	0	0	0	10	38	41	9	0	51	0	0	0	25	51	5	39	0
22	0	0	0	11	9	5	58	0	52	0	0	0	26	21	30	28	0
23	0	0	0	11	39	30	47	0	53	0	0	0	26	51	55	17	0
24	0	0	0	12	9	55	36	0	54	0	0	0	27	22	20	6	0
25	0	0	0	12	40	20	25	0	55	0	0	0	27	52	44	55	0
26	0	0	0	13	10	45	14	0	56	0	0	0	28	23	9	44	0
27	0	0	0	13	41	10	3	0	57	0	0	0	28	53	34	33	0
28	0	0	0	14	11	34	52	0	58	0	0	0	29	23	59	22	0
29	0	0	0	14	41	59	41	0	59	0	0	0	29	54	24	11	0
30	0	0	0	15	12	24	30	0	60	0	0	0	30	24	49	0	0
M	S	M	2	3					M	S	M	2	3				
2	M	2	3						2	M	2	3					
3	2	3							3	2	3						
4	3								4	3							

Radix	S	G	M	2	3	
Parisiensis	5	59	11	33	55	
Erfordiensis	5	59	12	33	54	
Wiennensis	5	59	11	14		
Pragensis	5	59	12	33	58	26

Radix ... motus ... reducta ad ...

Tabula continens motum augium et stellarum fixarum

	1	2	3	4	5						
1	0	0	0	0	4	20	41	17	12	26	30
2	0	0	0	0	8	41	22	34	24	53	0
3	0	0	0	0	12	2	3	51	37	20	30
4	0	0	0	0	17	22	48	8	44	48	0
5	0	0	0	0	21	43	26	26	2	13	30
6	0	0	0	0	26	4	7	44	14	40	0
7	0	0	0	0	30	24	49	0	37	6	30
8	0	0	0	0	34	46	30	17	34	33	0
9	0	0	0	0	39	6	11	34	51	19	30
10	0	0	0	0	43	26	52	52	4	26	0
11	0	0	0	0	47	47	34	9	16	53	30
12	0	0	0	0	52	8	57	26	29	19	0
13	0	0	0	0	56	28	56	43	41	46	30
14	0	0	0	1	0	49	38	0	54	13	0
15	0	0	0	1	5	10	19	18	6	39	30
16	0	0	0	1	9	31	0	35	19	6	0
17	0	0	0	1	13	51	41	52	31	32	30
18	0	0	0	1	18	12	23	9	47	59	0
19	0	0	0	1	22	33	4	26	56	36	30
20	0	0	0	1	26	53	47	44	9	3	0
21	0	0	0	1	11	14	27	1	51	19	30
22	0	0	0	1	35	35	8	18	33	42	0
23	0	0	0	1	39	55	49	35	46	12	30
24	0	0	0	1	44	16	30	52	58	39	0
25	0	0	0	1	48	37	12	10	11	5	30
26	0	0	0	1	52	57	53	27	23	32	0
27	0	0	0	1	57	18	34	44	35	59	30
28	0	0	0	2	1	39	16	1	44	25	0
29	0	0	0	2	5	59	57	19	0	52	30
30	0	0	0	2	10	20	38	36	13	18	0

	1	2	3	4		5	6	7	8	9	
31	0	0	0	2	14	41	19	12	21	41	30
32	0	0	0	2	18	2	3	10	38	12	0
33	0	0	0	2	22	22	42	27	50	38	30
34	0	0	0	2	27	43	23	35	3	5	0
35	0	0	0	2	31	4	5	2	7	32	30
36	0	0	0	2	35	24	46	19	27	58	0
37	0	0	0	2	40	45	27	36	40	25	30
38	0	0	0	2	44	6	8	53	52	51	0
39	0	0	0	2	48	26	50	11	5	18	30
40	0	0	0	2	53	47	31	28	17	44	0
41	0	0	0	2	57	8	12	45	30	11	30
42	0	0	0	3	1	28	54	2	42	38	0
43	0	0	0	3	6	49	35	19	55	4	30
44	0	0	0	3	10	10	16	37	7	31	0
45	0	0	0	3	15	30	57	54	19	58	30
46	0	0	0	3	19	51	39	11	32	24	0
47	0	0	0	3	23	12	20	28	44	51	30
48	0	0	0	3	28	33	1	45	57	17	0
49	0	0	0	3	32	53	43	30	9	44	30
50	0	0	0	3	37	14	24	20	22	11	0
51	0	0	0	3	41	35	5	37	34	37	30
52	0	0	0	3	45	55	46	54	47	40	0
53	0	0	0	3	50	16	28	11	59	30	30
54	0	0	0	3	54	37	9	29	11	57	0
55	0	0	0	3	58	57	50	46	24	24	30
56	0	0	0	3	2	18	32	3	36	50	0
57	0	0	0	4	7	39	13	20	49	17	30
58	0	0	0	4	11	59	54	38	1	44	0
59	0	0	0	4	16	20	35	55	14	10	30
60	0	0	0	4	20	41	17	12	26	37	0

[illegible]

Radix Medii Motus reducta Solis ad Crac[oviam]	S	G	M	2	3	4	5	6
Radix ad Cracoviam	4	38	17	27	36	50	15	20
Ad Pragam	4	38	17	58	9	47	29	16

Tabula continens Medium Motum Solis

Singula (dies)	1	2	3	4							1	2	3	4					
1	0	0	59	8	59	37	19	13	56	31	0	30	33	18	8	16	56	12	3
2	0	1	58	16	39	14	38	27	52	32	0	31	32	26	27	54	15	26	0
3	0	2	57	24	58	55	17	41	48	33	0	32	31	34	47	31	34	39	56
4	0	3	56	33	18	24	16	55	41	34	0	33	30	43	7	8	53	52	52
5	0	4	55	41	38	6	36	9	41	35	0	34	29	51	26	46	13	7	48
6	0	5	54	49	57	43	55	23	37	36	0	35	28	59	46	23	32	21	44
7	0	6	53	58	17	21	14	37	34	37	0	36	28	8	6	0	51	35	40
8	0	7	53	6	36	58	35	51	30	38	0	37	27	16	25	38	20	49	36
9	0	8	52	14	56	35	53	5	26	39	0	38	26	24	45	15	30	3	32
10	0	9	51	23	16	13	12	19	22	40	0	39	25	33	4	52	49	17	29
11	0	10	50	31	35	48	31	33	18	41	0	40	24	41	24	30	8	31	25
12	0	11	49	39	55	27	50	47	12	42	0	41	23	49	44	7	27	45	21
13	0	12	48	48	15	5	10	1	11	43	0	42	22	58	3	44	46	59	18
14	0	13	47	56	34	42	29	15	7	44	0	43	22	6	23	22	6	13	14
15	0	14	47	4	54	19	48	29	3	45	0	44	21	14	43	59	25	27	10
16	0	15	46	13	13	57	7	42	58	46	0	45	20	23	2	36	44	41	6
17	0	16	45	21	33	34	26	56	56	47	0	46	19	31	22	14	3	55	3
18	0	17	44	29	53	11	46	10	52	48	0	47	18	39	41	51	23	8	59
19	0	18	43	38	12	49	5	24	48	49	0	48	17	48	1	28	42	22	55
20	0	19	42	46	32	26	27	38	45	50	0	49	16	56	21	6	1	36	51
21	0	20	41	54	52	3	47	52	41	51	0	50	16	4	40	43	20	50	47
22	0	21	41	3	11	41	3	6	37	52	0	51	15	13	0	20	40	4	44
23	0	22	40	11	31	18	22	20	33	53	0	52	14	21	19	37	59	18	40
24	0	23	39	19	50	55	41	34	29	54	0	53	13	29	39	35	18	32	36
25	0	24	38	28	10	33	0	48	26	55	0	54	12	38	59	12	37	46	32
26	0	25	37	36	30	10	20	2	22	56	0	55	11	46	18	49	57	0	29
27	0	26	36	44	49	47	39	16	18	57	0	56	10	54	38	27	16	14	25
28	0	27	35	52	9	24	58	30	14	58	0	57	10	2	58	4	35	28	21
29	0	28	35	1	29	2	17	44	11	59	0	58	9	11	17	41	54	42	17
30	0	29	34	9	48	39	36	58	7	60	0	59	8	19	37	19	13	56	13

S	G	M	2	3
2	M	2	3	
3	2	3		
4	3			

9 8 6

S	G	M	2	3
2	M	2	3	
3	2	3		
4	3			

Radices aliarum Civitatum

	S	G	M	2	3	3	4
Wien	4	38	17	40			
Wratisl.	4	38	17	33	39		
Thorun	4	38	17	33	31		
Erfordien.	4	38	17	22	50		
Parisius	4	38	18	2	13	49	
Magdeburnen	4	38	18	32	39	40	0

[illegible]

Radix Medii Motus lune reducta ad Crac

S	G	M	2	3	4	5	6
2	1	59	24	10	35	10	20

Tabula continens Medium Motum lune

	1	2	3	4							1	2	3	4					
1	0	13	10	35	1	15	11	4	35	31	6	48	28	5	38	50	43	22	5
2	0	26	21	10	2	30	22	9	10	32	7	1	38	40	40	5	54	26	40
3	0	39	31	45	3	45	33	13	45	33	7	14	49	15	41	21	5	31	15
4	0	52	42	20	5	0	44	18	20	34	7	27	59	50	42	36	16	35	50
5	1	5	52	55	6	15	55	22	55	35	7	41	10	25	43	51	27	40	25
6	1	19	3	30	7	31	6	27	30	36	7	54	21	0	45	6	38	45	0
7	1	32	14	5	8	46	17	32	5	37	8	7	31	35	46	21	49	49	35
8	1	45	24	40	10	1	28	36	40	38	8	20	42	10	47	37	0	54	10
9	1	58	35	15	11	16	39	41	15	39	8	33	52	45	48	52	11	58	45
10	2	11	45	50	12	31	50	45	50	40	8	47	3	20	50	7	23	3	20
11	2	24	56	25	13	47	1	50	25	41	9	0	13	55	51	22	34	7	55
12	2	38	7	0	15	2	12	55	0	42	9	13	24	30	52	37	45	12	30
13	2	51	17	35	16	17	23	59	35	43	9	26	35	5	53	52	56	17	5
14	3	4	28	10	17	32	35	4	10	44	9	39	45	40	55	8	7	21	40
15	3	17	38	45	18	47	46	8	45	45	9	52	56	15	56	23	18	26	15
16	3	30	49	20	20	2	57	13	20	46	10	6	6	50	57	38	29	30	50
17	3	43	59	55	21	18	8	17	55	47	10	19	17	25	58	53	40	35	25
18	3	57	10	30	22	33	19	28	30	48	10	32	28	0	0	8	51	40	0
19	4	10	21	5	23	48	30	27	5	49	10	45	38	35	1	24	2	44	35
20	4	23	31	40	25	3	41	31	40	50	10	58	49	10	2	39	13	49	10
21	4	36	42	16	26	18	52	36	15	51	11	11	59	45	3	54	24	53	45
22	4	49	52	50	27	34	3	40	50	52	11	25	10	20	5	9	35	58	20
23	5	3	3	25	28	49	14	45	25	53	11	38	20	55	6	24	47	2	55
24	5	16	14	0	30	4	25	50	0	54	11	51	31	30	7	39	58	7	30
25	5	29	24	35	31	19	36	54	35	55	12	4	42	5	8	55	9	12	5
26	5	42	35	10	32	34	47	59	10	56	12	17	52	40	10	10	20	16	40
27	5	55	45	45	33	49	59	0	45	57	12	31	3	15	11	25	31	21	15
28	6	8	56	20	35	5	10	8	20	58	12	44	13	50	12	40	42	25	50
29	6	22	6	55	36	20	21	12	55	59	12	57	24	25	13	55	53	30	25
30	6	35	17	30	37	35	32	17	30	60	13	10	35	0	15	11	4	35	0

S	G	M	2	3
2	M	2	3	
3	2	3		
4	3			

8 6

S	G	M	2	3
2	M	2	3	
3	2	3		
4	3			

Radices istarum Civitatum

	S	G	M	2	3	4		
Wien	2	2	2	58	19	56		
Crac	2	4	58	31	28	17		
Thorun	2	2	1	33	40			
Erfordi	2	2	1	4	5			
Magdeb	2	2	13	53	49	8		
Wisen	2	2	20	29	69	38		
Pragen	2	2	6	12	38	48	8	11

6 5 12 24 26 9
3 18 12 20 13 26 9

Radix medii argumenti lune reducta ad Erf[illegible]

⊕	s	g	m	2	3	4	5	6
	3	18	13	12	29	1	58	55

[illegible marginal note]

Tabula continens Medium Motum Argumenti lune

	1	2	3	4
1	0	13	3	53
2	0	26	7	47
3	0	39	11	41
4	0	52	15	35
5	1	5	19	29
6	1	18	23	23
7	1	31	27	17
8	1	44	31	11
9	1	57	35	5
10	2	10	38	59
11	2	23	42	53
12	2	36	46	47
13	2	49	50	41
14	3	2	54	35
15	3	15	58	29
16	3	29	2	23
17	3	42	6	17
18	3	55	10	11
19	4	8	14	5
20	4	21	17	59
21	4	34	21	53
22	4	47	25	47
23	5	0	29	41
24	5	13	33	35
25	5	26	37	28
26	5	39	41	22
27	5	52	45	16
28	6	5	49	10
29	6	18	53	4
30	6	31	56	58

57	30	21	4	13
55	0	42	8	26
52	31	3	12	39
50	1	24	16	52
47	31	45	21	5
45	2	6	25	18
42	32	27	29	31
40	2	48	33	44
37	33	9	37	57
35	3	30	42	10
32	33	51	46	23
30	4	12	50	36
27	34	33	54	49
25	4	54	59	2
22	35	15	3	15
20	5	36	7	28
17	35	58	11	41
15	6	19	15	54
12	36	40	20	7
10	7	1	24	20
7	37	22	28	33
5	7	43	32	46
2	38	4	36	59
0	8	25	41	12
57	38	46	45	25
55	9	7	49	38
52	39	28	53	51
50	9	49	58	4
47	40	11	2	17
45	10	32	6	30

	1	2	3	4
31	6	45	0	52
32	6	58	4	46
33	7	11	8	40
34	7	24	12	34
35	7	37	16	28
36	7	50	20	22
37	8	3	24	16
38	8	16	28	10
39	8	29	32	4
40	8	42	35	58
41	8	55	39	52
42	9	8	43	46
43	9	21	47	40
44	9	34	51	34
45	9	47	55	28
46	10	0	59	22
47	10	14	3	16
48	10	27	7	10
49	10	40	11	3
50	10	53	14	57
51	11	6	18	51
52	11	19	22	45
53	11	32	26	39
54	11	45	30	33
55	11	58	34	27
56	12	11	38	21
57	12	24	42	15
58	12	37	46	9
59	12	50	50	3
60	13	3	53	57

42	40	53	10	43
40	11	14	14	56
37	41	35	19	4
35	11	56	23	22
32	42	17	27	35
30	12	38	31	48
27	42	59	36	10
25	13	20	40	14
22	43	41	44	27
20	14	2	48	40
17	44	23	52	53
15	14	44	57	6
12	45	6	1	19
10	15	27	5	32
7	44	48	9	45
5	16	9	13	58
2	46	30	18	11
0	16	51	22	24
57	47	12	26	37
55	17	33	30	50
52	47	54	35	3
50	18	15	39	16
47	48	36	43	29
45	18	57	47	42
42	49	18	51	55
40	19	39	56	8
37	50	1	0	21
35	20	22	4	34
32	50	43	8	47
30	20	4	13	0

⊕	s	g	2	3
2	g	2	3	
3	2	3		
4	3			

⊕	s	g	2	3
2	g	2	3	
3	2	3		
4	3			

Radices istarum Civitatum

	⊕	s	g	2	3	4		
Parisiensis	3	18	34	6	43	22		
Erfordiensis	3	18	25	24	8			
Wienn	3	18	16	41	31	25		
Wrat	3	33	59	12	24			
Magdeb	3	18	27	34	48			
Pragensis	3	18	19	57	29	55	41	25

Tabula Argumenti latitudinis lune Crac[ovie]

~~4~~	~~37~~	~~10~~	12	30	~~17~~	38	
S	g	m	2	3	4	7 / 14	6 / 14
3	33	55	5	25	17		
3	33	21	4	6	6		

Tabula continens Motum Argumenti latitudinis lune

i distancia lune a capite draconis ...

	1	2	3	4
1	0	13	13	45
2	0	26	27	31
3	0	39	41	16
4	0	52	55	2
5	1	6	8	48
6	1	19	22	33
7	1	32	36	19
8	1	45	50	5
9	1	59	3	50
10	2	12	17	36
11	2	25	31	22
12	2	38	45	7
13	2	51	58	53
14	3	5	12	39
15	3	18	26	24
16	3	31	40	10
17	3	44	53	56
18	3	58	7	41
19	4	11	21	27
20	4	24	35	13
21	4	37	48	58
22	4	51	2	44
23	5	4	16	30
24	5	17	30	15
25	5	30	44	1
26	5	43	57	47
27	5	57	11	32
28	6	10	25	18
29	6	23	39	4
30	6	36	52	49
31	6	50	6	34
32	7	3	20	20
33	7	16	34	6
34	7	29	47	52
35	7	43	1	37
36	7	56	15	23
37	8	9	29	9
38	8	22	42	54
39	8	35	56	40
40	8	49	19	26
41	9	2	24	11
42	9	15	37	57
43	9	28	51	43
44	9	42	5	28
45	9	55	19	14
46	10	8	33	0
47	10	21	46	45
48	10	35	0	31
49	10	48	14	17
50	11	1	28	2
51	11	14	41	48
52	11	27	55	34
53	11	41	9	19
54	11	54	23	5
55	12	7	36	51
56	12	20	50	36
57	12	34	4	22
58	12	47	18	8
59	13	0	31	53
60	13	13	45	39

39	22	25	53	45
18	44	51	47	30
58	7	17	41	15
37	29	43	35	0
16	52	9	28	45
56	14	35	22	30
35	37	1	16	15
14	59	27	10	0
54	21	53	3	45
33	44	18	57	30
13	6	44	51	15
52	29	10	45	0
31	51	36	38	45
11	14	2	32	30
50	36	28	26	15
29	58	54	20	0
9	21	20	13	45
48	43	46	7	30
28	6	12	1	15
7	28	37	55	0
46	51	3	48	45
26	13	29	42	30
5	35	55	36	15
44	58	21	30	0
24	20	47	23	45
3	43	13	17	30
43	5	39	11	15
22	28	5	5	0
1	50	30	58	45
41	12	56	52	30
20	35	22	46	15
59	57	48	40	0
39	20	14	33	45
18	42	40	27	30
58	5	6	21	15
37	27	32	15	0
16	49	58	8	45
56	12	24	2	30
35	34	49	56	15
14	57	15	50	0
54	19	41	43	45
33	42	7	37	30
13	4	33	31	15
52	26	59	25	0
31	49	25	18	45
11	11	51	12	30
50	34	17	6	15
29	56	43	0	0
9	19	8	53	45
48	41	34	47	30
28	4	0	41	15
7	26	26	35	0
46	48	52	28	45
26	11	18	22	30
5	33	44	16	15
44	56	10	10	0
24	18	36	3	45
3	41	1	57	30
43	3	27	51	15
22	25	53	45	0

S	g	m	2	3
2	m	2	3	
3	2	3		
4	3			

S	g	m	2	3
2	m	2	3	
3	2	3		
4	3			

Radix istarum Civitatum

	S	g	m	2	3	4		
Parisius	5	34	16	31	7	11		
Chagd	3	34	9	54	14	22	0	
Roven	3	33	58	37				
Erfordia	3	34	7	26	26	19	0	
Nurnberga	3	34	1	55	21	53	35	50

Tabula medii motus capitis draconis Cracovie	S	G	M	2	3	4
	1	31	55	41	14	42

Tabula continens medium motum capitis draconis

	1	2	3	4								1	2	3	4					
1	0	0	3	10	38	7	14	49	10		31	0	1	38	29	41	44	39	24	10
2	0	0	6	21	16	14	29	38	20		32	0	1	41	40	19	51	54	13	20
3	0	0	9	31	54	21	44	27	30		33	0	1	44	50	57	59	9	2	30
4	0	0	12	42	32	28	59	16	40		34	0	1	48	1	36	6	23	51	40
5	0	0	15	53	10	36	14	5	50		35	0	1	51	12	14	13	38	40	50
6	0	0	19	3	48	43	28	55	0		36	0	1	54	22	52	20	53	30	0
7	0	0	22	14	26	50	43	44	10		37	0	1	57	33	30	28	8	19	10
8	0	0	25	25	4	57	58	33	20		38	0	2	0	44	8	35	23	8	20
9	0	0	28	35	43	5	13	22	30		39	0	2	3	54	46	42	37	57	30
10	0	0	31	46	21	12	28	11	40		40	0	2	7	5	24	49	52	46	40
11	0	0	34	56	59	19	43	0	50		41	0	2	10	16	2	57	7	35	50
12	0	0	38	7	37	26	57	50	0		42	0	2	13	26	41	4	22	25	0
13	0	0	41	18	15	34	12	39	10		43	0	2	16	37	19	11	37	14	10
14	0	0	44	28	53	41	27	28	20		44	0	2	19	47	57	18	52	3	20
15	0	0	47	39	31	48	42	17	30		45	0	2	22	58	35	26	6	52	30
16	0	0	50	50	9	55	57	6	40		46	0	2	26	9	13	33	21	41	40
17	0	0	54	0	48	3	11	55	50		47	0	2	29	19	51	40	36	30	50
18	0	0	57	11	26	10	26	45	0		48	0	2	32	30	29	47	51	20	0
19	0	1	0	22	4	17	41	34	10		49	0	2	35	41	7	55	6	9	10
20	0	1	3	32	42	24	56	23	20		50	0	2	38	51	46	2	20	58	20
21	0	1	6	43	20	32	11	12	30		51	0	2	42	2	24	9	35	47	30
22	0	1	9	53	58	39	26	1	40		52	0	2	45	13	2	16	50	36	40
23	0	1	13	4	36	46	40	50	50		53	0	2	48	23	40	24	5	25	50
24	0	1	16	15	14	53	55	40	0		54	0	2	51	34	18	31	20	15	0
25	0	1	19	25	53	1	10	29	10		55	0	2	54	44	56	38	35	4	10
26	0	1	22	36	31	8	25	18	20		56	0	2	57	55	34	45	49	53	20
27	0	1	25	47	9	15	40	7	30		57	0	3	1	6	12	53	4	42	30
28	0	1	28	57	47	22	54	56	40		58	0	3	4	16	51	0	19	31	40
29	0	1	32	8	25	30	9	45	50		59	0	3	7	27	29	7	34	20	50
30	0	1	35	19	3	37	24	35	0		60	0	3	10	38	7	14	49	10	0

M	G	M	2	3
2	M	2	3	
3	2	3		
4	3			

M	G	M	2	3
2	M	2	3	
3	2	3		
C	3			

Radices istarum civitatum		S	G	M	2	3	4		
	Wienn[illegible]	1	31	55	48	20	0		
	Magd[illegible]	1	31	55	44	41	0		
	Pragen	1	31	55	42	53	12	27	39

[illegible marginal note]

Radix medie elongationis solis et lune Crac[ovie]

S	g	m	2	3	4	5
3	23	41	56	33	58	8

[illegible marginal note]

Tabula continens medium motum lune vel elongatione lune a sole

[illegible]	1	2	3	4						[illegible]	1	2	3	4					
1	0	12	11	26	41	37	51	50	39	31	6	17	54	47	30	33	47	10	2
2	0	24	22	53	23	15	43	41	18	32	6	30	6	14	12	11	39	0	40
3	0	36	34	20	4	53	35	31	57	33	6	42	[illegible]	40	53	49	30	51	19
4	0	48	45	46	46	31	27	22	37	34	6	54	29	7	34	27	22	41	58
5	1	0	57	13	28	9	19	13	14	35	7	6	40	34	17	5	14	32	36
6	1	13	8	40	9	47	11	3	53	36	7	18	52	0	58	43	6	23	16
7	1	25	20	6	51	25	2	54	31	37	7	31	3	27	40	20	58	13	55
8	1	37	31	33	33	2	54	45	10	38	7	43	14	54	21	58	50	4	34
9	1	49	43	0	14	40	46	37	49	39	7	55	26	21	3	36	41	55	12
10	2	1	54	26	56	18	38	26	28	40	8	7	37	47	45	14	33	45	51
11	2	14	5	53	37	56	30	17	7	41	8	19	49	14	26	52	25	36	30
12	2	26	17	20	19	34	22	7	47	42	8	32	0	41	8	30	17	27	9
13	2	38	28	47	1	12	13	58	24	43	8	44	12	7	50	8	9	17	47
14	2	50	40	13	42	20	5	49	3	44	8	56	23	34	31	46	1	8	26
15	3	2	51	40	24	27	57	39	42	45	9	8	35	1	13	23	52	59	5
16	3	15	3	7	6	5	49	30	20	46	9	20	46	27	55	1	44	49	44
17	3	27	14	33	47	43	41	20	59	47	9	32	57	54	36	39	36	40	22
18	3	39	26	0	29	21	33	11	38	48	9	45	9	21	18	17	28	31	1
19	3	51	37	27	10	59	25	2	17	49	9	57	20	47	59	55	20	21	40
20	4	3	48	53	52	37	16	52	55	50	10	9	32	14	41	33	12	12	19
21	4	16	0	20	34	15	8	43	34	51	10	21	43	41	23	11	4	2	58
22	4	28	11	47	15	53	0	34	13	52	10	33	55	8	4	48	55	53	36
23	4	40	23	13	57	30	52	24	52	53	10	46	6	34	46	26	47	44	15
24	4	52	34	40	39	8	44	15	31	54	10	58	18	1	28	4	39	34	54
25	5	4	46	7	20	46	36	6	10	55	11	10	29	28	9	42	31	25	33
26	5	16	57	34	2	24	27	56	48	56	11	22	40	54	51	20	23	18	11
27	5	29	9	0	44	2	19	47	27	57	11	34	52	21	32	58	15	6	50
28	5	41	20	27	25	40	11	38	6	58	11	47	3	48	14	36	6	57	29
29	5	53	31	54	7	18	2	28	44	59	11	59	15	14	56	13	58	48	8
30	6	5	43	20	48	55	54	19	22	60	12	11	26	41	37	51	50	38	47

D	g	m	2	3
2	m	2	3	
3	2	3		
4	3			

Res Sig g

D	g	m	2	3
2	m	2	3	
3	2	3		
4	3			

Radices istarum Civitatum

	S	g	m	2	3	4		
Prich	3	24	41	29	52	48		
Prage	3	23	55	21	9	28		
Wien	3	23	47	11	37	52		
Pergens	3	23	48	14	58	41	38	5

Radix medii motus Saturni (cum equatione) reducta ad Cracoviam

S	G	M	2	3	4	5	6
1	14	5	12	17	12	51	

Tabula continens Medium Motum Saturni

	1	2	3	4							1	2	3	4					
1	0	0	2	0	35	17	40	51	0	31	0	1	2	18	14	7	50	51	0
2	0	0	4	1	10	35	20	42	0	32	0	1	4	18	49	25	31	12	0
3	0	0	6	1	45	53	1	3	0	33	0	1	6	19	24	43	11	33	0
4	0	0	8	2	21	10	41	24	0	34	0	1	8	20	0	0	51	54	0
5	0	0	10	2	56	28	21	45	0	35	0	1	10	20	35	18	32	15	0
6	0	0	12	3	31	46	2	6	0	36	0	1	12	21	10	36	12	36	0
7	0	0	14	4	7	3	42	27	0	37	0	1	14	21	45	53	52	57	0
8	0	0	16	4	42	21	22	48	0	38	0	1	16	22	21	11	33	18	0
9	0	0	18	5	17	39	3	9	0	39	0	1	18	22	56	29	13	39	0
10	0	0	20	5	52	56	43	30	0	40	0	1	20	23	31	46	54	0	0
11	0	0	22	6	28	14	23	51	0	41	0	1	22	24	7	4	34	21	0
12	0	0	24	7	3	32	4	12	0	42	0	1	24	24	42	22	14	42	0
13	0	0	26	7	38	49	44	33	0	43	0	1	26	25	17	39	55	3	0
14	0	0	28	8	14	7	24	54	0	44	0	1	28	25	52	57	35	24	0
15	0	0	30	8	49	25	5	15	0	45	0	1	30	26	28	15	15	45	0
16	0	0	32	9	24	42	45	36	0	46	0	1	32	27	3	32	56	6	0
17	0	0	34	10	0	0	25	57	0	47	0	1	34	27	38	50	36	27	0
18	0	0	36	10	35	18	6	18	0	48	0	1	36	28	14	8	16	48	0
19	0	0	38	11	10	35	46	39	0	49	0	1	38	28	49	25	57	9	0
20	0	0	40	11	45	53	27	0	0	50	0	1	40	29	24	43	37	30	0
21	0	0	42	11	21	11	7	21	0	51	0	1	42	30	0	1	17	51	0
22	0	0	44	12	56	28	47	42	0	52	0	1	44	30	35	18	58	12	0
23	0	0	46	12	31	46	28	3	0	53	0	1	46	31	10	36	38	33	0
24	0	0	48	14	7	4	8	24	0	54	0	1	48	31	45	54	18	54	0
25	0	0	50	14	42	21	48	45	0	55	0	1	50	32	25	11	59	15	0
26	0	0	52	15	17	39	29	6	0	56	0	1	52	32	56	29	39	36	0
27	0	0	54	15	52	57	9	27	0	57	0	1	54	33	31	47	19	57	0
28	0	0	56	16	28	14	49	48	0	58	0	1	56	34	7	5	0	18	0
29	0	0	58	17	3	32	30	9	0	59	0	1	58	34	42	22	40	39	0
30	0	1	0	17	38	50	10	30	0	60	0	2	0	35	17	40	21	0	0

D	G	M	2	3
2	M	2	3	
3	2	3		
4	3			

M	G	M	2	3
2	M	2	3	
3	2	3		
4	3			

Radices motus Saturni

	S	G	M	2	3	4		
Parisius	1	14	5	14	11			
Magdeburg	1	14	5	16	11			
Pragensis	1	14	5	14	0	11	10	51

Radix medii motus Jovis reducta ad Cracoviam

S	G	M	2	3	4		
3	0	37	2	46	40	22	22

Tabula continens Medium Motum Jovis

	1	2	3	4					
1	0	0	4	59	15	27	7	23	50
2	0	0	9	58	30	54	14	47	40
3	0	0	14	57	46	21	22	11	30
4	0	0	19	57	1	48	29	35	20
5	0	0	24	56	17	15	36	59	10
6	0	0	29	55	32	42	44	23	0
7	0	0	34	54	48	9	51	46	50
8	0	0	39	54	3	36	59	10	40
9	0	0	44	53	19	4	6	34	30
10	0	0	49	52	34	31	13	58	20
11	0	0	54	51	49	58	21	22	10
12	0	0	59	51	5	25	28	46	0
13	0	1	4	50	20	52	36	9	50
14	0	1	9	49	36	19	43	33	40
15	0	1	14	48	51	46	50	57	30
16	0	1	19	48	7	13	58	21	20
17	0	1	24	47	22	41	5	45	10
18	0	1	29	46	38	8	13	9	0
19	0	1	34	45	53	35	20	32	50
20	0	1	39	45	9	2	27	56	40
21	0	1	44	44	24	29	35	20	30
22	0	1	49	43	39	56	42	44	20
23	0	1	54	42	55	23	50	8	10
24	0	1	59	42	10	50	57	32	0
25	0	2	4	41	26	18	4	55	50
26	0	2	9	40	41	45	12	19	40
27	0	2	14	39	57	12	19	43	30
28	0	2	19	39	12	39	27	7	20
29	0	2	24	38	28	6	34	31	10
30	0	2	29	37	43	33	41	55	0

	1	2	3	4					
31	0	2	34	36	59	0	49	18	50
32	0	2	39	36	14	27	56	42	40
33	0	2	44	35	29	55	4	6	30
34	0	2	49	34	45	22	11	30	20
35	0	2	54	34	0	49	18	54	10
36	0	2	59	33	16	16	26	18	0
37	0	3	4	32	31	43	33	41	50
38	0	3	9	31	47	10	41	5	40
39	0	3	14	31	2	37	48	29	30
40	0	3	19	30	18	4	55	53	20
41	0	3	24	29	33	32	3	17	10
42	0	3	29	28	48	59	10	41	0
43	0	3	34	28	4	26	18	4	50
44	0	3	39	27	19	53	25	28	40
45	0	3	44	26	35	20	32	52	30
46	0	3	49	25	50	47	40	16	20
47	0	3	54	25	6	14	47	40	10
48	0	3	59	24	21	41	55	4	0
49	0	4	4	23	37	9	2	27	50
50	0	4	9	22	52	36	9	51	40
51	0	4	14	22	8	3	17	15	30
52	0	4	19	21	23	30	24	39	20
53	0	4	24	20	38	57	32	3	10
54	0	4	29	19	54	24	39	27	0
55	0	4	34	19	9	51	46	50	50
56	0	4	39	18	25	18	54	14	40
57	0	4	44	17	40	46	1	38	30
58	0	4	49	16	56	13	9	2	20
59	0	4	54	16	11	40	16	26	10
60	0	4	59	15	27	7	23	50	0

M	G	M	2	3
2	M	2	3	
3	2	3		
4	3			

G	G	M	2	3
2	M	2	3	
3	2	3		
4	3			

Radices istarum Civitatum

	S	G	M	2	3		
Pise.	3	0	37	8	17		
Magd.	3	0	37	10	46		
Prage	3	0	37	5	21	17	21 22

Radix medii motus Martis reducta ad Crac[oviam]

S	g	m	2	3	4	5	6
0	41	23	36	32	[illegible]	51	52

Tabula continens medium motum Martis

	1	2	3	4					
1	0	0	31	26	38	40	5	0	0
2	0	1	2	53	17	20	10	0	0
3	0	1	34	19	56	0	15	0	0
4	0	2	5	46	34	40	20	0	0
5	0	2	37	13	13	20	25	0	0
6	0	3	8	39	52	0	30	0	0
7	0	3	40	6	30	40	35	0	0
8	0	4	11	33	9	20	40	0	0
9	0	4	42	59	48	0	45	0	0
10	0	5	14	26	26	40	50	0	0
11	0	5	45	53	5	20	55	0	0
12	0	6	17	19	44	1	0	0	0
13	0	6	48	46	22	41	5	0	0
14	0	7	20	13	1	21	10	0	0
15	0	7	51	39	40	1	15	0	0
16	0	8	23	6	18	41	20	0	0
17	0	8	54	32	57	21	25	0	0
18	0	9	25	59	36	1	30	0	0
19	0	9	57	26	14	41	35	0	0
20	0	10	28	52	53	21	40	0	0
21	0	11	0	19	32	1	45	0	0
22	0	11	31	46	10	41	50	0	0
23	0	12	3	12	49	21	55	0	0
24	0	12	34	39	28	2	0	0	0
25	0	13	6	6	6	42	5	0	0
26	0	13	37	32	45	22	10	0	0
27	0	14	8	59	24	2	15	0	0
28	0	14	40	26	2	42	20	0	0
29	0	15	11	52	41	22	25	0	0
30	0	15	43	19	20	2	30	0	0

	1	2	3	4					
31	0	16	14	45	58	42	35	0	0
32	0	16	46	12	37	22	40	0	0
33	0	17	17	39	16	2	45	0	0
34	0	17	49	5	54	42	50	0	0
35	0	18	20	33	33	22	55	0	0
36	0	18	51	59	12	3	0	0	0
37	0	19	23	29	50	43	5	0	0
38	0	19	54	52	29	23	10	0	0
39	0	20	26	19	8	3	15	0	0
40	0	20	57	45	46	43	20	0	0
41	0	21	29	12	25	23	25	0	0
42	0	22	0	39	4	3	30	0	0
43	0	22	32	5	42	43	35	0	0
44	0	23	3	32	21	23	40	0	0
45	0	23	34	59	0	3	45	0	0
46	0	24	6	25	38	43	50	0	0
47	0	24	37	52	17	23	55	0	0
48	0	25	9	18	56	4	0	0	0
49	0	25	40	45	34	44	5	0	0
50	0	26	12	12	13	24	10	0	0
51	0	26	43	38	52	4	15	0	0
52	0	27	15	5	30	44	20	0	0
53	0	27	46	32	9	24	25	0	0
54	0	28	17	58	48	4	30	0	0
55	0	28	49	25	26	44	35	0	0
56	0	29	20	52	5	24	40	0	0
57	0	29	52	18	44	4	45	0	0
58	0	30	23	45	22	44	50	0	0
59	0	30	55	12	1	24	55	0	0
60	0	31	26	38	40	5	0	0	0

m	g	m	2	3
2	m	2	3	
3	2	3		
4	3			

m	g	m	2	3
2	m	2	3	
3	2	3		
4	3			

Radices istarum civitatum

	S	g	m	2	3	4	5
Prusien	0	41	24	11	7	0	
Cragov	0	41	24	26	50	0	
Pragen	0	41	23	52	46	50	46 55

Radix Argumenti Veneris [illegible] reducta ad Christum

S	g	m	2	3	4	5	6
2	9	19	59	29	41	21	28

Tabula continens Motum Argumenti Veneris

[illegible]

	1	2	3	4					
1	0	0	36	59	27	23	59	31	0
2	0	1	13	58	54	47	59	2	0
3	0	1	50	58	22	11	58	33	0
4	0	2	27	57	49	35	58	4	0
5	0	3	4	57	16	59	57	35	0
6	0	3	41	56	44	23	57	6	0
7	0	4	18	56	11	47	56	37	0
8	0	4	55	55	39	11	56	8	0
9	0	5	32	55	6	35	55	39	0
10	0	6	9	54	33	59	55	19	0
11	0	6	46	54	1	23	54	41	0
12	0	7	23	53	28	47	54	12	0
13	0	8	0	52	56	11	53	43	0
14	0	8	37	52	23	35	53	14	0
15	0	9	14	51	50	59	52	45	0
16	0	9	51	51	18	23	52	16	0
17	0	10	28	50	45	47	51	47	0
18	0	11	5	50	13	11	51	18	0
19	0	11	42	49	40	35	50	49	0
20	0	12	19	49	7	59	50	20	0
21	0	12	56	48	35	23	49	51	0
22	0	13	33	48	2	47	49	22	0
23	0	14	10	47	30	11	48	53	0
24	0	14	47	46	57	35	48	24	0
25	0	15	24	46	24	59	47	55	0
26	0	16	1	45	52	23	47	26	0
27	0	16	38	45	19	47	46	57	0
28	0	17	15	44	47	11	46	28	0
29	0	17	52	44	14	35	45	59	0
30	0	18	29	43	41	59	45	30	0

S	g	m	2	3
2	m	2	3	
3	2	3		
4	3			

	1	2	3	4					
31	0	19	6	43	9	23	47	1	0
32	0	19	43	42	36	47	44	32	0
33	0	20	20	42	4	11	44	3	0
34	0	20	57	41	31	35	43	34	0
35	0	21	34	40	58	59	43	5	0
36	0	22	11	40	26	23	42	36	0
37	0	22	48	39	53	47	42	7	0
38	0	23	25	39	21	11	41	38	0
39	0	24	2	38	48	35	41	9	0
40	0	24	39	38	15	59	40	40	0
41	0	25	16	37	43	23	40	11	0
42	0	25	53	37	10	47	39	42	0
43	0	26	30	36	38	11	39	13	0
44	0	27	7	36	5	35	38	44	0
45	0	27	44	35	32	59	38	15	0
46	0	28	21	35	0	23	37	46	0
47	0	28	58	34	27	47	37	17	0
48	0	29	35	33	55	11	36	48	0
49	0	30	12	33	22	35	36	19	0
50	0	30	49	32	49	59	35	50	0
51	0	31	26	32	17	23	35	21	0
52	0	32	3	31	44	47	34	52	0
53	0	32	40	31	12	11	34	23	0
54	0	33	17	30	39	35	33	54	0
55	0	33	54	30	6	59	33	25	0
56	0	34	31	29	38	23	32	56	0
57	0	35	8	29	1	47	32	27	0
58	0	35	45	28	29	11	31	58	0
59	0	36	22	27	56	35	31	29	0
60	0	36	59	27	23	59	31	0	0

S	g	m	2	3
2	m	2	3	
3	2	3		
4	3			

Radices Stant Ciuitatum

	S	g	m	2	3	4		
Parisius	2	9	20	30	29			
Magde	2	9	20	48	8			
Pragens	2	9	20	8	31	40	31	1

[illegible]

Radix Argumenti Mercurii Christi	s	g	m	2	3	4	5	6
	0	45	12	46	56	8	18	21

Tabula continens Motum Argumenti Mercurii

	1	2	3	4		1	2	3	4
1	0	3	6	24	7	42	40	52	0
2	0	6	12	48	15	25	21	44	0
3	0	9	19	12	23	8	2	36	0
4	0	12	25	36	30	50	43	28	0
5	0	15	32	0	38	33	24	20	0
6	0	18	38	24	46	16	5	12	0
7	0	21	44	48	53	58	46	4	0
8	0	24	51	13	1	41	26	56	0
9	0	27	57	37	9	24	7	48	0
10	0	31	4	1	17	6	48	40	0
11	0	34	10	25	24	49	29	32	0
12	0	37	16	49	32	32	10	24	0
13	0	40	23	13	40	14	51	16	0
14	0	43	29	37	47	57	32	8	0
15	0	46	36	1	55	40	13	0	0
16	0	49	42	26	3	22	53	52	0
17	0	52	48	50	11	5	34	44	0
18	0	55	55	14	18	48	15	36	0
19	0	59	1	38	26	30	56	28	0
20	1	2	8	2	34	13	37	20	0
21	1	5	14	26	41	56	18	12	0
22	1	8	20	50	49	38	59	4	0
23	1	11	27	14	57	21	39	56	0
24	1	14	33	39	5	4	20	48	0
25	1	17	40	3	12	47	1	40	0
26	1	20	46	27	20	29	42	32	0
27	1	23	52	51	28	12	23	24	0
28	1	26	59	15	35	55	4	16	0
29	1	30	5	39	43	37	45	8	0
30	1	33	12	3	51	20	26	0	0
31	1	36	18	27	59	3	6	52	0
32	1	39	24	52	6	45	47	44	0
33	1	42	31	16	14	28	28	36	0
34	1	45	37	40	22	11	9	28	0
35	1	48	44	4	29	53	50	20	0
36	1	51	50	28	37	36	31	12	0
37	1	54	56	52	45	19	12	4	0
38	1	58	3	16	53	1	52	56	0
39	2	1	9	41	0	44	33	48	0
40	2	4	16	5	8	27	14	40	0
41	2	7	22	29	16	9	55	32	0
42	2	10	28	53	23	52	36	24	0
43	2	13	35	17	31	35	17	16	0
44	2	16	41	41	39	17	58	8	0
45	2	19	48	5	47	0	39	0	0
46	2	22	54	29	54	43	19	52	0
47	2	26	0	54	2	26	0	44	0
48	2	29	7	18	10	8	41	36	0
49	2	32	13	42	17	51	22	28	0
50	2	35	20	6	25	34	3	20	0
51	2	38	26	30	33	16	44	12	0
52	2	41	32	54	40	59	25	4	0
53	2	44	39	18	48	42	5	56	0
54	2	47	45	42	56	24	46	48	0
55	2	50	52	7	4	7	27	40	0
56	2	53	58	31	11	50	8	32	0
57	2	57	4	55	19	32	49	24	0
58	3	0	11	19	27	15	30	16	0
59	3	3	17	43	34	58	11	8	0
60	2	6	24	7	42	40	52	0	0

s	g	m	2	3
2	m	2	3	
3	2	3		
4	3			

s	g	m	2	3
2	m	2	3	
3	2	3		
4	3			

Radices istarum Civitatum	s	g	m	2	3	4		
Parisius	0	45	16	8	0			
Magd.	0	45	17	41	12			
Prage	0	45	14	23	14	36	53	24

Tabula Equacionum Solis Prima

Linee numeri communes				Equacio Solis			Linee numeri communes				Equacio Solis			Linee numeri communes				Equacio Solis		
S	G	S	G	G	M	2	S	G	S	G	G	M	2	S	G	S	G	G	M	2
0	1	5	59	0	2	10	0	31	5	29	1	4	46	1	1	4	59	1	51	51
0	2	5	58	0	4	19	0	32	5	28	1	6	37	1	2	4	58	1	52	56
0	3	5	57	0	6	27	0	33	5	27	1	8	28	1	3	4	57	1	54	0
0	4	5	56	0	8	36	0	34	5	26	1	10	19	1	4	4	56	1	55	6
0	5	5	55	0	10	44	0	35	5	25	1	12	9	1	5	4	55	1	56	9
0	6	5	54	0	12	53	0	36	5	24	1	13	56	1	6	4	54	1	57	11
0	7	5	53	0	15	2	0	37	5	23	1	15	41	1	7	4	53	1	58	2
0	8	5	52	0	17	10	0	38	5	22	1	17	24	1	8	4	52	1	58	52
0	9	5	51	0	19	19	0	39	5	21	1	19	6	1	9	4	51	1	59	41
0	10	5	50	0	21	28	0	40	5	20	1	20	48	1	10	4	50	2	0	29
0	11	5	49	0	23	36	0	41	5	19	1	22	29	1	11	4	49	2	1	16
0	12	5	48	0	25	45	0	42	5	18	1	24	10	1	12	4	48	2	2	2
0	13	5	47	0	27	53	0	43	5	17	1	25	50	1	13	4	47	2	2	47
0	14	5	46	0	30	1	0	44	5	16	1	27	29	1	14	4	46	2	3	21
0	15	5	45	0	32	8	0	45	5	15	1	29	8	1	15	4	45	2	3	59
0	16	5	44	0	34	16	0	46	5	14	1	30	46	1	16	4	44	2	4	36
0	17	5	43	0	36	23	0	47	5	13	1	32	23	1	17	4	43	2	5	16
0	18	5	42	0	38	30	0	48	5	12	1	33	59	1	18	4	42	2	5	48
0	19	5	41	0	40	37	0	49	5	11	1	35	30	1	19	4	41	2	6	17
0	20	5	40	0	42	43	0	50	5	10	1	37	0	1	20	4	40	2	6	45
0	21	5	39	0	44	49	0	51	5	9	1	38	30	1	21	4	39	2	7	12
0	22	5	38	0	46	55	0	52	5	8	1	39	58	1	22	4	38	2	7	37
0	23	5	37	0	48	59	0	53	5	7	1	41	27	1	23	4	37	2	8	2
0	24	5	36	0	51	4	0	54	5	6	1	42	54	1	24	4	36	2	8	27
0	25	5	35	0	53	4	0	55	5	5	1	44	19	1	25	4	35	2	8	45
0	26	5	34	0	55	2	0	56	5	4	1	45	34	1	26	4	34	2	9	1
0	27	5	33	0	57	1	0	57	5	3	1	46	53	1	27	4	33	2	9	17
0	28	5	32	0	58	59	0	58	5	2	1	48	10	1	28	4	32	2	9	32
0	29	5	31	1	0	57	0	59	5	1	1	49	28	1	29	4	31	2	9	45
0	30	5	30	1	2	54	1	0	5	0	1	50	44	1	30	4	30	2	9	57

Tabula Equacionum Solis secunda

Linee numeri communes				Equacio Solis			Linee numeri communes				Equacio Solis			Linee numeri communes				Equacio Solis		
S	G	S	G	G	M	2	S	G	S	G	G	M	2	S	G	S	G	G	M	2
1	31	4	29	2	9	59	2	1	3	59	1	53	46	2	31	3	29	1	5	1
1	32	4	28	2	10	0	2	2	3	58	1	52	35	2	33	3	28	1	2	55
1	33	4	27	2	10	0	2	3	3	57	1	51	24	2	33	3	27	1	0	57
1	34	4	26	2	10	0	2	4	3	56	1	50	12	2	34	3	26	0	58	40
1	35	4	25	2	9	57	2	5	3	55	1	48	59	2	35	3	25	0	56	33
1	36	4	24	2	9	51	2	6	3	54	1	47	46	2	36	3	24	0	54	29
1	37	4	23	2	9	36	2	7	3	53	1	46	20	2	37	3	23	0	52	17
1	38	4	22	2	9	20	2	8	3	52	1	44	53	2	38	3	22	0	50	9
1	39	4	21	2	9	2	2	9	3	51	1	43	26	2	30	3	21	0	48	1
1	40	4	20	2	8	45	2	10	3	50	1	41	57	2	40	3	20	0	45	53
1	41	4	19	2	8	25	2	11	3	49	1	40	27	2	41	3	19	0	43	44
1	42	4	18	2	8	6	2	12	3	48	1	38	57	2	42	3	18	0	41	35
1	43	4	17	2	7	41	2	13	3	47	1	37	25	2	43	3	17	0	39	26
1	44	4	16	2	7	14	2	14	3	46	1	35	53	2	44	3	16	0	37	16
1	45	4	15	2	6	46	2	15	3	45	1	34	20	2	45	3	15	0	35	6
1	46	4	14	2	6	18	2	16	3	44	1	32	46	2	46	3	14	0	32	51
1	47	4	13	2	5	48	2	17	3	43	1	31	12	2	47	3	13	0	30	35
1	48	4	12	2	5	18	2	18	3	42	1	29	33	2	48	3	12	0	28	19
1	49	4	11	2	4	42	2	19	3	41	1	27	50	2	49	3	11	0	26	1
1	50	4	10	2	4	5	2	20	3	40	1	26	3	2	50	3	10	0	23	42
1	52	4	9	2	3	27	2	21	3	39	1	24	16	2	51	3	9	0	21	22
1	52	4	8	2	2	37	2	22	3	38	1	22	28	2	52	3	8	0	19	1
1	53	4	7	2	1	47	2	23	3	37	1	20	40	2	53	3	7	0	16	40
1	54	4	6	2	0	51	2	24	3	36	1	18	51	2	54	3	6	0	14	19
1	55	4	5	1	59	53	2	25	3	35	1	17	0	2	55	3	5	0	11	58
1	56	4	4	1	58	55	2	26	3	34	1	15	8	2	56	3	4	0	9	36
1	57	4	3	1	57	57	2	27	3	33	1	13	16	2	57	3	3	0	7	12
1	58	4	2	1	56	57	2	28	3	32	1	11	23	2	58	3	2	0	4	48
1	59	4	1	1	55	57	2	29	3	31	1	9	10	2	59	3	1	0	2	24
2	0	4	0	1	54	57	2	30	3	30	1	7	7	3	0	3	0	0	0	0



Tabula Equacionum lune vera

Linee numeri communes				Equacio centri		Minuta proporcionalia	Semi dyametri		Equacio argumenti		
0	1	5	59	0	9	0	0	3	0	4	46
0	2	5	58	0	18	0	0	5	0	9	31
0	3	5	57	0	27	0	0	7	0	14	15
0	4	5	56	0	36	0	0	10	0	19	0
0	5	5	55	0	44	0	0	12	0	23	44
0	6	5	54	0	53	0	0	14	0	28	28
0	7	5	53	1	2	0	0	17	0	33	11
0	8	5	52	1	11	0	0	19	0	37	54
0	9	5	51	1	20	0	0	21	0	42	37
0	10	5	50	1	29	0	0	24	0	47	19
0	11	5	49	1	38	0	0	26	0	52	0
0	12	5	48	1	46	1	0	28	0	56	41
0	13	5	47	1	55	1	0	31	1	1	20
0	14	5	46	2	4	1	0	33	1	5	59
0	15	5	45	2	13	1	0	35	1	10	37
0	16	5	44	2	22	1	0	38	1	15	15
0	17	5	43	2	31	1	0	40	1	19	51
0	18	5	42	2	39	1	0	42	1	24	27
0	19	5	41	2	48	1	0	45	1	29	0
0	20	5	40	2	57	2	0	47	1	33	32
0	21	5	39	3	5	2	0	49	1	38	3
0	22	5	38	3	14	2	0	52	1	42	33
0	23	5	37	3	23	3	0	54	1	47	1
0	24	5	36	3	31	2	0	57	1	51	27
0	25	5	35	3	40	2	0	59	1	55	52
0	26	5	34	3	49	2	1	1	2	0	15
0	27	5	33	3	57	3	1	3	2	4	37
0	28	5	32	4	6	3	1	6	2	8	57
0	29	5	31	4	15	3	1	8	2	13	14
0	30	5	30	4	23	3	1	10	2	17	29

Linee numeri communes				Equacio centri		Minuta proporcionalia	Semi dyametri		Equacio argumenti		
0	31	5	29	4	32	3	1	12	2	21	43
0	32	5	28	4	41	3	1	14	2	25	55
0	33	5	27	4	49	4	1	16	2	30	5
0	34	5	26	4	58	4	1	19	2	34	12
0	35	5	25	5	7	4	1	21	2	38	17
0	36	5	24	5	15	4	1	23	2	42	21
0	37	5	23	5	24	5	1	25	2	46	22
0	38	5	22	5	33	5	1	27	2	50	19
0	39	5	21	5	41	5	1	29	2	54	14
0	40	5	20	5	50	5	1	31	2	58	7
0	41	5	19	5	59	6	1	33	3	1	58
0	42	5	18	6	7	6	1	35	3	5	46
0	43	5	17	6	16	6	1	37	3	9	31
0	44	5	16	6	25	7	1	39	3	13	13
0	45	5	15	6	33	7	1	40	3	16	51
0	46	5	14	6	42	7	1	42	3	20	26
0	47	5	13	6	50	8	1	44	3	23	59
0	48	5	12	6	58	8	1	45	3	27	30
0	49	5	11	7	7	8	1	47	3	30	57
0	50	5	10	7	15	9	1	48	3	34	20
0	51	5	9	7	23	9	1	49	3	37	40
0	52	5	8	7	32	9	1	51	3	40	57
0	53	5	7	7	40	10	1	53	3	44	10
0	54	5	6	7	48	10	1	54	3	47	20
0	55	5	5	7	56	10	1	56	3	50	26
0	56	5	4	8	4	11	1	58	3	53	29
0	57	5	3	8	12	11	1	59	3	56	30
0	58	5	2	8	20	11	2	1	3	59	26
0	59	5	1	8	28	12	2	2	4	2	17
1	0	5	0	8	36	12	2	3	4	5	4

Tabula Equacionum lune Secunda

Lune communes		numerus		Equatio centri		cy. propor.	Dimi. dya.		Equatio argumenti			Lunee in mei ged				Equatio centri		cy. propor.	Dimi. diamet.		Equatio argumenti		
S	G	S	G	G	M	M	G	M	G	M	2	S	G	S	G	G	M	M	G	M	G	M	2
1	1	4	59	8	44	13	2	5	4	7	47	1	31	4	29	12	5	27	2	37	4	55	18
1	2	4	58	8	52	13	2	6	4	10	27	1	32	4	28	12	10	27	2	37	4	55	37
1	3	4	57	8	59	14	2	7	4	13	3	1	33	4	27	12	15	28	2	38	4	55	49
1	4	4	56	9	7	14	2	9	4	15	35	1	34	4	26	12	20	28	2	38	4	55	55
1	5	4	55	9	15	15	2	10	4	18	3	1	35	4	25	12	24	29	2	38	4	56	0
1	6	4	54	9	22	15	2	12	4	20	27	1	36	4	24	12	28	30	2	38	4	55	56
1	7	4	53	9	30	15	2	13	4	22	47	1	37	4	23	12	32	30	2	38	4	55	42
1	8	4	52	9	37	16	2	14	4	25	2	1	38	4	22	12	36	31	2	39	4	55	25
1	9	4	51	9	44	16	2	15	4	27	12	1	39	4	21	12	39	31	2	39	4	55	4
1	10	4	50	9	52	17	2	16	4	29	18	1	40	4	20	12	42	32	2	39	4	54	41
1	11	4	49	9	59	17	2	17	4	31	20	1	41	4	19	12	45	32	2	39	4	54	12
1	12	4	48	10	6	18	2	18	4	33	18	1	42	4	18	12	48	33	2	39	4	53	38
1	13	4	47	10	13	18	2	19	4	35	11	1	43	4	17	12	51	33	2	40	4	52	59
1	14	4	46	10	20	19	2	20	4	36	59	1	44	4	16	12	54	34	2	40	4	52	14
1	15	4	45	10	27	19	2	21	4	38	43	1	45	4	15	12	56	35	2	40	4	51	22
1	16	4	44	10	34	20	2	22	4	40	22	1	46	4	14	12	58	35	2	40	4	50	22
1	17	4	43	10	41	20	2	23	4	41	58	1	47	4	13	13	0	36	2	40	4	49	17
1	18	4	42	10	48	21	2	24	4	43	28	1	48	4	12	13	2	36	2	40	4	48	10
1	19	4	41	10	55	21	2	25	4	44	53	1	49	4	11	13	4	37	2	40	4	46	54
1	20	4	40	11	2	22	2	26	4	46	13	1	50	4	10	13	5	37	2	39	4	45	33
1	21	4	39	11	8	22	2	27	4	47	26	1	51	4	9	13	6	38	2	39	4	44	7
1	22	4	38	11	15	23	2	28	4	48	35	1	52	4	8	13	7	38	2	38	4	42	34
1	33	4	37	11	21	23	2	29	4	49	38	1	53	4	7	13	8	39	2	38	4	40	56
1	24	4	36	11	27	23	2	30	4	50	41	1	54	4	6	13	9	39	2	37	4	39	15
1	25	4	35	11	33	24	2	31	4	51	38	1	55	4	5	13	9	40	2	36	4	37	29
1	26	4	34	11	39	24	2	32	4	52	28	1	56	4	4	13	8	40	2	35	4	35	37
1	27	4	33	11	44	25	2	33	4	53	11	1	57	4	3	13	7	41	2	34	4	33	41
1	28	4	32	11	50	25	2	34	4	53	50	1	58	4	2	13	6	41	2	33	4	31	34
1	29	4	31	11	55	26	2	35	4	54	25	1	59	4	1	13	5	42	2	32	4	29	20
1	30	4	30	12	0	26	2	36	4	54	57	2	0	4	0	13	4	42	2	31	4	27	0

Tabula Equacionum lune Tercia

Lune numeri communes				Equacio centri		Minuta proporcionalia	Diametri media		Equacio argumenti		
S	G	S	G	G	M	M	M	2	G	M	2
2	1	3	59	13	3	43	2	30	4	24	38
2	2	3	58	13	1	43	2	29	4	22	11
2	3	3	57	12	59	44	2	28	4	19	38
2	4	3	56	12	56	44	2	26	4	18	58
2	5	3	55	12	53	45	2	25	4	14	13
2	6	3	54	12	47	45	2	23	4	10	23
2	7	3	53	12	46	46	2	22	4	8	28
2	8	3	52	12	41	46	2	21	4	5	34
2	9	3	51	12	36	47	2	19	4	2	30
2	10	3	50	12	30	47	2	18	3	59	20
2	11	3	49	12	23	47	2	16	3	56	5
2	12	3	48	12	16	48	2	15	3	52	47
2	13	3	47	12	9	48	2	14	3	49	23
2	14	3	46	12	2	49	2	12	3	45	52
2	15	3	45	11	54	49	2	10	3	45	17
2	16	3	44	11	46	50	2	9	3	38	37
2	17	3	43	11	38	50	2	7	3	34	53
2	18	3	42	11	29	51	2	5	3	31	3
2	19	3	41	11	20	51	2	3	3	27	10
2	20	3	40	11	11	52	2	1	3	23	12
2	21	3	39	11	2	52	1	58	3	19	9
2	22	3	38	10	53	53	1	56	3	15	2
2	23	3	37	10	43	53	1	54	3	10	50
2	24	3	36	10	33	53	1	51	3	6	35
2	25	3	35	10	22	54	1	49	3	2	55
2	26	3	34	10	11	54	1	46	2	57	51
2	27	3	33	10	0	55	1	42	2	53	23
2	28	3	32	9	48	55	1	41	2	48	51
2	29	3	31	9	37	55	1	38	2	44	55
2	30	3	30	9	25	55	1	35	2	39	35

Lunee numeri communes				Equacio centri		Minuta proporcionalia	Diametri media		Equacio argumenti		
S	G	S	G	G	M	M	M	2	G	M	2
2	31	3	29	9	8	56	1	32	2	34	52
2	32	3	28	8	53	56	1	29	2	30	6
2	33	3	27	8	38	56	1	26	2	25	16
2	34	3	26	8	22	56	1	24	2	20	23
2	35	3	25	8	5	57	1	21	2	15	26
2	36	3	24	7	48	57	1	18	2	10	26
2	37	3	23	7	31	57	1	16	2	5	22
2	38	3	22	7	14	57	1	13	2	0	17
2	39	3	21	6	56	57	1	10	1	55	9
2	40	3	20	6	39	58	1	8	1	49	58
2	41	3	19	6	21	58	1	5	1	44	44
2	42	3	18	6	3	58	1	2	1	39	27
2	43	3	17	5	45	58	0	59	1	34	9
2	44	3	16	5	27	58	0	56	1	28	49
2	45	3	15	5	8	58	0	52	1	23	26
2	46	3	14	4	49	59	0	49	1	18	1
2	47	3	13	4	30	59	0	46	1	12	34
2	48	3	12	4	11	59	0	42	1	7	6
2	49	3	11	3	52	59	0	39	1	1	36
2	50	3	10	3	32	59	0	36	0	56	5
2	51	3	9	3	12	59	0	32	0	50	32
2	52	3	8	2	52	59	0	29	0	44	58
2	53	3	7	2	32	60	0	25	0	39	23
2	54	3	6	2	11	60	0	21	0	33	47
2	55	3	5	1	50	60	0	18	0	28	10
2	56	3	4	1	29	60	0	15	0	22	33
2	57	3	3	1	7	60	0	11	0	16	56
2	58	3	2	0	43	60	0	8	0	11	18
2	59	3	1	0	22	60	0	4	0	5	40
3	0	3	0	0	0	60	0	0	0	0	0

Tabula Equationum Saturni Prima

Linee num communes				Equatio centri		diff. pro lo° longior	lo° longior		Eq° arg^ti		lon° prior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	1	5	29	0	7	60	0	0	0	6	0	0
0	2	5	28	0	14	60	0	1	0	12	0	1
0	3	5	27	0	20	60	0	1	0	18	0	1
0	4	5	26	0	27	60	0	1	0	24	0	1
0	5	5	25	0	33	60	0	2	0	30	0	2
0	6	5	24	0	40	60	0	2	0	36	0	2
0	7	5	23	0	46	60	0	2	0	42	0	2
0	8	5	22	0	52	59	0	3	0	48	0	3
0	9	5	21	0	58	59	0	3	0	54	0	3
0	10	5	20	1	5	59	0	3	1	0	0	3
0	11	5	19	1	11	59	0	4	1	6	0	4
0	12	5	18	1	17	58	0	4	1	11	0	4
0	13	5	17	1	24	58	0	4	1	17	0	5
0	14	5	16	1	30	58	0	4	1	23	0	5
0	15	5	15	1	36	57	0	5	1	28	0	6
0	16	5	14	1	42	57	0	5	1	34	0	6
0	17	5	13	1	49	56	0	5	1	40	0	7
0	18	5	12	1	55	56	0	5	1	47	0	7
0	19	5	11	2	1	56	0	6	1	51	0	8
0	20	5	10	2	7	55	0	6	1	57	0	8
0	21	5	9	2	13	55	0	6	2	2	0	8
0	22	5	8	2	19	54	0	6	2	8	0	9
0	23	5	7	2	25	54	0	7	2	13	0	9
0	24	5	6	2	31	53	0	7	2	18	0	9
0	25	5	5	2	37	53	0	7	2	24	0	10
0	26	5	4	2	43	52	0	7	2	29	0	10
0	27	5	3	2	49	52	0	8	2	35	0	10
0	28	5	2	2	55	52	0	8	2	40	0	11
0	29	5	1	3	1	51	0	8	2	45	0	11
0	30	5	0	3	6	51	0	8	2	50	0	11

Linee num communes				Equatio centri		diff. pro lon° longior	lon° longior		Equatio arg^ti		lon° prior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	31	5	29	3	12	50	0	9	2	55	0	12
0	32	5	28	3	18	50	0	9	3	0	0	12
0	33	5	27	3	23	49	0	9	3	5	0	12
0	34	5	26	3	29	49	0	9	3	10	0	12
0	35	5	25	3	34	48	0	9	3	15	0	13
0	36	5	24	3	39	48	0	10	3	20	0	13
0	37	5	23	3	45	47	0	10	3	25	0	13
0	38	5	22	3	50	46	0	10	3	30	0	14
0	39	5	21	3	55	46	0	10	3	35	0	14
0	40	5	20	4	0	45	0	10	3	40	0	14
0	41	5	19	4	5	45	0	11	3	45	0	15
0	42	5	18	4	10	44	0	11	3	49	0	15
0	43	5	17	4	15	44	0	11	3	54	0	15
0	44	5	16	4	20	43	0	11	3	59	0	16
0	45	5	15	4	25	43	0	11	4	3	0	16
0	46	5	14	4	30	42	0	12	4	8	0	16
0	47	5	13	4	35	42	0	12	4	13	0	17
0	48	5	12	4	39	41	0	12	4	17	0	17
0	49	5	11	4	44	40	0	12	4	22	0	17
0	50	5	10	4	48	40	0	13	4	26	0	18
0	51	5	9	4	52	39	0	13	4	30	0	18
0	52	5	8	4	56	38	0	13	4	34	0	18
0	53	5	7	5	1	37	0	14	4	38	0	19
0	54	5	6	5	5	36	0	14	4	42	0	19
0	55	5	5	5	9	35	0	14	4	46	0	19
0	56	5	4	5	13	35	0	14	4	50	0	19
0	57	5	3	5	17	34	0	15	4	53	0	19
0	58	5	2	5	21	33	0	15	4	57	0	19
0	59	5	1	5	25	32	0	15	5	1	0	20
1	0	5	0	5	29	31	0	15	5	4	0	20

Tabula Equacionum Saturni secunda

Linee numeri communes				Equatio centri longior		Minuta proportionalia	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	1	4	59	5	33	29	0	16	5	8	0	20
1	2	4	58	5	37	28	0	16	5	12	0	20
1	3	4	57	5	41	27	0	16	5	15	0	20
1	4	4	56	5	44	26	0	16	5	19	0	20
1	5	4	55	5	47	25	0	16	5	22	0	20
1	6	4	54	5	50	24	0	17	5	25	0	20
1	7	4	53	5	53	23	0	17	5	28	0	21
1	8	4	52	5	56	22	0	17	5	31	0	21
1	9	4	51	5	59	21	0	17	5	34	0	21
1	10	4	50	6	2	20	0	17	5	37	0	21
1	11	4	49	6	5	19	0	17	5	40	0	21
1	12	4	48	6	7	18	0	18	5	42	0	21
1	13	4	47	6	9	16	0	18	5	45	0	21
1	14	4	46	6	12	15	0	18	5	47	0	21
1	15	4	45	6	14	14	0	18	5	49	0	21
1	16	4	44	6	16	13	0	18	5	51	0	21
1	17	4	43	6	18	12	0	18	5	53	0	21
1	18	4	42	6	19	11	0	18	5	55	0	21
1	19	4	41	6	21	9	0	18	5	57	0	22
1	20	4	40	6	22	8	0	18	5	59	0	22
1	21	4	39	6	23	7	0	18	6	0	0	22
1	22	4	38	6	25	6	0	19	6	2	0	22
1	23	4	37	6	26	5	0	19	6	4	0	22
1	24	4	36	6	27	4	0	19	6	5	0	22
1	25	4	35	6	28	3	0	19	6	7	0	22
1	26	4	34	6	29	2	0	19	6	8	0	22
1	27	4	33	6	29	1	0	19	6	9	0	33
1	28	4	32	6	30	1 propior	0	19	6	10	0	23
1	29	4	31	6	30	2	0	19	6	11	0	23
1	30	4	30	6	31	3	0	19	6	11	0	23

Linee numeri communes				Equatio centri		Minuta proportionalia propior	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	31	4	29	6	31	4	0	19	6	12	0	23
1	32	4	28	6	31	5	0	20	6	12	0	23
1	33	4	27	6	31	6	0	20	6	12	0	23
1	34	4	26	6	31	7	0	20	6	13	0	24
1	35	4	25	6	30	8	0	20	6	13	0	24
1	36	4	24	6	30	9	0	20	6	13	0	24
1	37	4	23	6	39	10	0	20	6	13	0	24
1	38	4	22	6	39	11	0	20	6	13	0	24
1	39	4	21	6	28	12	0	20	6	13	0	24
1	40	4	20	6	28	13	0	21	6	12	0	24
1	41	4	19	6	27	14	0	21	6	12	0	24
1	42	4	18	6	26	15	0	21	6	12	0	25
1	43	4	17	6	25	16	0	21	6	11	0	25
1	44	4	16	6	24	16	0	21	6	10	0	25
1	45	4	15	6	22	17	0	21	6	9	0	25
1	46	4	14	6	21	18	0	21	6	8	0	25
1	47	4	13	6	19	19	0	21	6	7	0	25
1	48	4	12	6	17	20	0	20	6	5	0	25
1	49	4	11	6	16	20	0	20	6	4	0	25
1	50	4	10	6	14	21	0	20	6	2	0	25
1	51	4	9	6	12	22	0	29	6	0	0	25
1	52	4	8	6	10	23	0	20	5	59	0	24
1	53	4	7	6	8	24	0	20	5	57	0	24
1	54	4	6	6	6	25	0	19	5	55	0	24
1	55	4	5	6	4	26	0	19	5	53	0	24
1	56	4	4	6	1	27	0	19	5	51	0	24
1	57	4	3	5	58	27	0	19	5	48	0	24
1	58	4	2	5	55	28	0	19	5	46	0	23
2	59	4	1	5	52	29	0	19	5	43	0	23
2	0	4	0	5	49	30	0	19	5	41	0	23

Tabula Equacionum Centrum Terra

Linee numeri S	G	S	G	Equatio centri G	M	Minuta proportionalia M	Longitudo longior G	M	Equatio argumenti G	M	Longitudo propior G	M
2	1	3	59	5	45	30	0	19	5	37	0	23
2	2	3	58	5	43	31	0	19	5	34	0	23
2	3	3	57	5	40	32	0	19	5	31	0	23
2	4	3	56	5	36	33	0	19	5	28	0	23
2	5	3	55	5	32	33	0	18	5	24	0	22
2	6	3	54	5	28	34	0	18	5	21	0	22
2	7	3	53	5	24	35	0	18	5	18	0	22
2	8	3	52	5	20	36	0	18	5	14	0	22
2	9	3	51	5	16	37	0	18	5	10	0	21
2	10	3	50	5	12	37	0	17	5	6	0	21
2	11	3	49	5	8	38	0	17	5	2	0	21
2	12	3	48	5	3	39	0	17	4	58	0	21
2	13	3	47	4	58	40	0	17	4	54	0	20
2	14	3	46	4	53	41	0	17	4	50	0	20
2	15	3	45	4	48	42	0	16	4	45	0	20
2	16	3	44	4	43	42	0	16	4	41	0	19
2	17	3	43	4	38	43	0	16	4	36	0	19
2	18	3	42	4	33	44	0	16	4	31	0	19
2	19	3	41	4	28	44	0	16	4	26	0	18
2	20	3	40	4	23	45	0	15	4	21	0	18
2	21	3	39	4	17	46	0	15	4	16	0	18
2	22	3	38	4	12	46	0	15	4	11	0	17
2	23	3	37	4	6	47	0	15	4	6	0	17
2	24	3	36	4	0	48	0	14	4	0	0	17
2	25	3	35	3	54	49	0	14	3	55	0	16
2	26	3	34	3	48	49	0	14	3	49	0	16
2	27	3	33	3	42	50	0	13	3	43	0	15
2	28	3	32	3	36	50	0	13	3	37	0	15
2	29	3	31	3	30	51	0	12	3	31	0	14
2	30	3	30	3	24	51	0	12	3	25	0	14

Linee numeri S	G	S	G	Equatio centri G	M	Minuta proportionalia M	Longitudo longior G	M	Equatio argumenti G	M	Longitudo propior G	M
2	31	3	29	3	18	52	0	12	3	19	0	13
2	32	3	28	3	12	53	0	11	3	13	0	13
2	33	3	27	3	6	53	0	11	3	7	0	13
2	34	3	26	2	59	54	0	11	3	1	0	12
2	35	3	25	2	52	54	0	10	2	54	0	12
2	36	3	24	2	46	55	0	10	2	48	0	12
2	37	3	23	2	40	55	0	9	2	42	0	11
2	38	3	22	2	34	56	0	9	2	36	0	11
2	39	3	21	2	27	56	0	8	2	29	0	11
2	40	3	20	2	21	57	0	8	2	22	0	10
2	41	3	19	2	14	57	0	7	2	16	0	10
2	42	3	18	2	7	58	0	7	2	9	0	10
2	43	3	17	2	0	58	0	6	2	2	0	9
2	44	3	16	1	53	59	0	6	1	55	0	9
2	45	3	15	1	46	59	0	6	1	48	0	8
2	46	3	14	1	39	59	0	5	1	41	0	8
2	47	3	13	1	32	59	0	5	1	34	0	7
2	48	3	12	1	25	60	0	5	1	27	0	7
2	49	3	11	1	18	60	0	5	1	20	0	6
2	50	3	10	1	11	60	0	4	1	13	0	6
2	51	3	9	1	4	60	0	4	1	6	0	5
2	52	3	8	0	57	60	0	4	0	59	0	5
2	53	3	7	0	50	60	0	3	0	52	0	4
2	54	3	6	0	43	60	0	3	0	45	0	4
2	55	3	5	0	36	60	0	3	0	38	0	3
2	56	3	4	0	29	60	0	2	0	31	0	3
2	57	3	3	0	22	60	0	2	0	23	0	2
2	58	3	2	0	15	60	0	1	0	16	0	2
2	59	3	1	0	8	60	0	1	0	8	0	1
3	0	3	0	0	0	60	0	0	0	0	0	0

Tabula Equacionum Jovis Prima

Linee numerorum communes				Equacio centri		Minuta proportionalia	Longitudo longior		Equacio argumenti		Longitudo propior	
S	g	S	g	g	m	m	g	m	g	m	g	m
0	1	5	59	0	6	60	0	0	0	10	0	0
0	2	5	58	0	12	60	0	1	0	20	0	1
0	3	5	57	0	18	60	0	1	0	29	0	1
0	4	5	56	0	24	60	0	1	0	39	0	1
0	5	5	55	0	30	60	0	2	0	49	0	2
0	6	5	54	0	36	60	0	2	0	59	0	2
0	7	5	53	0	42	60	0	2	1	8	0	2
0	8	5	52	0	48	60	0	3	1	18	0	3
0	9	5	51	0	53	60	0	3	1	28	0	3
0	10	5	50	0	59	60	0	3	1	37	0	3
0	11	5	49	1	5	60	0	4	1	47	0	4
0	12	5	48	1	11	60	0	4	1	57	0	4
0	13	5	47	1	17	59	0	4	2	6	0	5
0	14	5	46	1	23	59	0	5	2	15	0	5
0	15	5	45	1	28	59	0	5	2	24	0	5
0	16	5	44	1	34	59	0	5	2	34	0	6
0	17	5	43	1	40	58	0	6	2	43	0	6
0	18	5	42	1	46	58	0	6	2	52	0	7
0	19	5	41	1	51	58	0	6	3	2	0	7
0	20	5	40	1	57	57	0	7	3	11	0	8
0	21	5	39	2	2	57	0	7	3	20	0	8
0	22	5	38	2	8	57	0	7	3	30	0	8
0	23	5	37	2	13	56	0	8	3	39	0	9
0	24	5	36	2	19	56	0	8	3	48	0	9
0	25	5	35	2	24	55	0	8	3	57	0	9
0	26	5	34	2	30	55	0	9	4	6	0	10
0	27	5	33	2	35	54	0	9	4	15	0	10
0	28	5	32	2	41	54	0	9	4	24	0	10
0	29	5	31	2	46	53	0	10	4	33	0	11
0	30	5	30	2	51	53	0	10	4	42	0	11

Linee numerorum communes				Equacio centri		Minuta proportionalia	Longitudo longior		Equacio argumenti		Longitudo propior	
S	g	S	g	S	m	m	g	m	g	m	g	m
0	31	5	29	2	56	52	0	10	4	51	0	11
0	32	5	28	3	1	51	0	11	5	0	0	12
0	33	5	27	3	6	51	0	11	5	8	0	12
0	34	5	26	3	11	50	0	11	5	17	0	12
0	35	5	25	3	16	50	0	12	5	26	0	13
0	36	5	24	3	21	49	0	12	5	34	0	13
0	37	5	23	3	26	49	0	12	5	43	0	13
0	38	5	22	3	31	48	0	13	5	52	0	14
0	39	5	21	3	36	47	0	13	6	0	0	14
0	40	5	20	3	41	47	0	13	6	9	0	14
0	41	5	19	3	46	46	0	14	6	17	0	15
0	42	5	18	3	49	46	0	14	6	25	0	15
0	43	5	17	3	54	45	0	14	6	33	0	15
0	44	5	16	3	59	44	0	15	6	41	0	16
0	45	5	15	4	3	43	0	15	6	49	0	16
0	46	5	14	4	8	43	0	15	6	57	0	17
0	47	5	13	4	12	42	0	16	7	5	0	17
0	48	5	12	4	16	41	0	16	7	12	0	18
0	49	5	11	4	20	40	0	16	7	20	0	18
0	50	5	10	4	24	39	0	17	7	28	0	19
0	51	5	9	4	28	38	0	17	7	35	0	19
0	52	5	8	4	32	37	0	17	7	43	0	19
0	53	5	7	4	36	36	0	18	7	50	0	20
0	54	5	6	4	39	35	0	18	7	57	0	20
0	55	5	5	4	43	34	0	18	8	4	0	20
0	56	5	4	4	47	33	0	19	8	11	0	21
0	57	5	3	4	50	33	0	19	8	17	0	21
0	58	5	2	4	54	32	0	19	8	24	0	21
0	59	5	1	4	58	31	0	20	8	31	0	22
1	0	5	0	5	1	30	0	20	8	37	0	22

Tabula Equacionum Jovis Secunda

Lineae numeri communis				Equatio centri		Minuta proportionalia longior / propior	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	1	4	59	5	5	29	0	20	8	44	0	22
1	2	4	58	5	9	28	0	21	8	50	0	23
1	3	4	57	5	12	27	0	21	8	56	0	23
1	4	4	56	5	15	26	0	21	9	2	0	23
1	5	4	55	5	18	25	0	22	9	8	0	24
1	6	4	54	5	20	24	0	22	9	14	0	24
1	7	4	53	5	23	23	0	22	9	20	0	24
1	8	4	52	5	26	22	0	23	9	26	0	25
1	9	4	51	5	28	20	0	23	9	31	0	25
1	10	4	50	5	31	29	0	23	9	36	0	25
1	11	4	49	5	33	18	0	24	9	41	0	26
1	12	4	48	5	35	17	0	24	9	46	0	26
1	13	4	47	5	37	16	0	24	9	51	0	26
1	14	4	46	5	39	15	0	25	9	56	0	27
1	15	4	45	5	41	14	0	25	10	0	0	27
1	16	4	44	5	43	13	0	25	10	5	0	27
1	17	4	43	5	45	12	0	25	10	9	0	28
1	18	4	42	5	46	11	0	26	10	13	0	28
1	19	4	41	5	48	10	0	26	10	17	0	28
1	20	4	40	5	49	9	0	26	10	21	0	29
1	21	4	39	5	50	8	0	26	10	25	0	29
1	22	4	38	5	51	7	0	26	10	29	0	29
1	23	4	37	5	52	6	0	26	10	32	0	29
1	24	4	36	5	53	5	0	27	10	35	0	30
1	25	4	35	5	54	4	0	27	10	38	0	30
1	26	4	34	5	55	3	0	27	10	41	0	30
1	27	4	33	5	55	2	0	27	10	44	0	30
1	28	4	32	5	56	1	0	29	10	47	0	30
1	29	4	31	5	56	1 (propior)	0	27	10	49	0	30
1	30	4	30	5	57	2	0	27	10	51	0	29
1	31	4	29	5	57	3	0	27	10	53	0	31
1	32	4	28	5	57	4	0	28	10	55	0	31
1	33	4	27	5	57	5	0	28	10	57	0	31
1	34	4	26	5	57	5	0	28	10	59	0	31
1	35	4	25	5	57	6	0	28	11	0	0	31
1	36	4	24	5	57	7	0	28	11	1	0	31
1	37	4	23	5	56	8	0	28	11	2	0	31
1	38	4	22	5	56	9	0	28	11	2	0	32
1	39	4	21	5	55	10	0	29	11	3	0	32
1	40	4	20	5	55	11	0	29	11	3	0	32
1	41	4	19	5	54	12	0	29	11	3	0	32
1	42	4	18	5	53	13	0	29	11	3	0	32
1	43	4	17	5	52	14	0	29	11	2	0	32
1	44	4	16	5	51	15	0	29	11	2	0	32
1	45	4	15	5	49	16	0	29	11	2	0	32
1	46	4	14	5	48	17	0	30	11	1	0	32
1	47	4	13	5	46	18	0	30	11	0	0	33
1	48	4	12	5	44	19	0	30	10	59	0	33
1	49	4	11	5	43	20	0	30	10	57	0	33
1	50	4	10	5	41	21	0	30	10	55	0	33
1	51	4	9	5	39	22	0	30	10	53	0	33
1	52	4	8	5	37	22	0	30	10	51	0	33
1	53	4	7	5	35	23	0	30	10	48	0	33
1	54	4	6	5	33	24	0	30	10	45	0	33
1	55	4	5	5	31	25	0	30	10	42	0	33
1	56	4	4	5	29	26	0	30	10	39	0	33
1	57	4	3	5	27	27	0	30	10	35	0	33
1	58	4	2	5	25	28	0	30	10	31	0	33
1	59	4	1	5	22	29	0	30	10	27	0	33
2	0	4	0	5	19	30	0	30	10	23	0	33

Tabula Equacionum Jovis Tercia

Linee numeri communes				Equatio centri		minuta proportionalia	longitudo longior		Equatio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	1	3	29	5	16	31	0	29	10	19	0	32
2	2	3	28	5	13	32	0	29	10	15	0	32
2	3	3	27	5	10	33	0	29	10	10	0	32
2	4	3	26	5	6	34	0	29	10	5	0	32
2	5	3	25	5	3	35	0	29	10	0	0	32
2	6	3	24	4	59	36	0	29	9	54	0	32
2	7	3	23	4	55	37	0	28	9	48	0	32
2	8	3	22	4	51	38	0	28	9	42	0	31
2	9	3	21	4	47	39	0	28	9	38	0	31
2	10	3	20	4	43	40	0	28	9	30	0	31
2	11	3	19	4	39	41	0	28	9	24	0	31
2	12	3	18	4	35	41	0	28	9	17	0	31
2	13	3	17	4	31	42	0	27	9	10	0	31
2	14	3	16	4	27	43	0	27	9	2	0	30
2	15	3	15	4	22	43	0	27	8	54	0	30
2	16	3	14	4	18	44	0	26	8	47	0	30
2	17	3	13	4	13	45	0	26	8	39	0	30
2	18	3	12	4	8	46	0	26	8	31	0	29
2	19	3	11	4	4	46	0	25	8	22	0	29
2	20	3	10	3	59	47	0	25	8	13	0	28
2	21	3	9	3	54	47	0	25	8	4	0	28
2	22	3	8	3	49	48	0	24	7	55	0	27
2	23	3	7	3	44	48	0	24	7	45	0	27
2	24	3	6	3	38	49	0	24	7	36	0	26
2	25	3	5	3	33	49	0	23	7	26	0	26
2	26	3	4	3	28	50	0	23	7	16	0	25
2	27	3	3	3	22	50	0	23	7	6	0	24
2	28	3	2	3	17	51	0	22	6	55	0	24
	29	3	1	3	12	51	0	22	6	45	0	23
	30	3	0	3	6	52	0	21	6	34	0	12
2	31	3	29	3	1	52	0	21	6	23	0	22
2	32	3	28	2	55	53	0	20	6	12	0	21
2	33	3	27	2	49	53	0	19	6	0	0	20
2	34	3	26	2	44	53	0	19	5	48	0	20
2	35	3	25	2	38	54	0	18	5	36	0	19
2	36	3	24	2	32	54	0	17	5	24	0	18
2	37	3	23	2	26	55	0	17	5	12	0	18
2	38	3	22	2	20	55	0	16	5	0	0	17
2	39	3	21	2	14	56	0	15	4	44	0	16
2	40	3	20	2	8	56	0	15	4	35	0	16
2	41	3	19	2	2	57	0	14	4	22	0	15
2	42	3	18	1	56	57	0	13	4	9	0	14
2	43	3	17	1	50	57	0	13	3	56	0	14
2	44	3	16	1	43	58	0	12	3	42	0	13
2	45	3	15	1	37	58	0	11	3	29	0	12
2	46	3	14	1	30	58	0	11	3	16	0	12
2	47	3	13	1	24	59	0	10	3	3	0	11
2	48	3	12	1	18	59	0	9	2	49	0	10
2	49	3	11	1	12	59	0	9	2	35	0	10
2	50	3	10	1	5	59	0	8	2	21	0	9
2	51	3	9	0	59	59	0	7	2	7	0	8
2	52	3	8	0	52	59	0	6	1	53	0	7
2	53	3	7	0	46	60	0	6	1	39	0	7
2	54	3	6	0	39	60	0	5	1	25	0	6
2	55	3	5	0	33	60	0	5	1	11	0	5
2	56	3	4	0	27	60	0	4	0	57	0	4
2	57	3	3	0	20	60	0	3	0	43	0	3
2	58	3	2	0	14	60	0	2	0	29	0	2
2	59	3	1	0	7	60	0	1	0	15	0	1
3	0	3	0	0	0	60	0	0	0	0	0	0

Tabula Equacionum Martis Prima

Linee numi communes				Equao centri longior		Mi ppor	Londo longior		Equao centri		Londo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	1	5	59	0	11	60	0	2	0	24	0	2
0	2	5	58	0	22	60	0	3	0	48	0	3
0	3	5	57	0	33	60	0	4	1	12	0	4
0	4	5	56	0	44	60	0	6	1	36	0	5
0	5	5	55	0	55	60	0	7	2	0	0	7
0	6	5	54	1	5	60	0	8	2	24	0	9
0	7	5	53	1	16	59	0	10	2	48	0	10
0	8	5	52	1	27	59	0	11	3	12	0	12
0	9	5	51	1	38	59	0	12	3	36	0	13
0	10	5	50	1	49	59	0	14	3	59	0	15
0	11	5	49	2	0	59	0	15	4	23	0	16
0	12	5	48	2	10	59	0	16	4	46	0	18
0	13	5	47	2	21	58	0	18	5	10	0	20
0	14	5	46	2	32	58	0	19	5	34	0	21
0	15	5	45	2	42	58	0	20	5	57	0	23
0	16	5	44	2	53	57	0	22	6	21	0	24
0	17	5	43	3	3	57	0	23	6	44	0	26
0	18	5	42	3	13	57	0	24	7	8	0	28
0	19	5	41	3	24	56	0	26	7	32	0	29
0	20	5	40	3	35	56	0	27	7	56	0	31
0	21	5	39	3	45	56	0	28	8	19	0	32
0	22	5	38	3	56	55	0	30	8	43	0	34
0	23	5	37	4	6	55	0	32	9	6	0	35
0	24	5	36	4	16	55	0	33	9	30	0	37
0	25	5	35	4	26	54	0	35	9	54	0	38
0	26	5	34	4	36	54	0	37	10	18	0	40
0	27	5	33	4	46	53	0	38	10	41	0	41
0	28	5	32	4	56	53	0	40	11	5	0	43
0	29	5	31	5	6	52	0	41	11	28	0	44
0	30	5	30	5	16	52	0	42	11	51	0	46

Linee numi communes				Equao centri longior		Mi ppor	Londo longior		Equao argti		Londo propior	
0	31	5	29	5	26	51	0	44	12	15	0	48
0	32	5	28	5	36	51	0	45	12	38	0	50
0	33	5	27	5	47	50	0	47	13	1	0	51
0	34	5	26	5	55	50	0	48	13	21	0	53
0	35	5	25	6	4	49	0	50	13	48	0	55
0	36	5	24	6	13	49	0	51	14	11	0	56
0	37	5	23	6	22	48	0	53	14	34	0	58
0	38	5	22	6	31	47	0	54	14	57	1	0
0	39	5	21	6	40	47	0	56	15	20	1	1
0	40	5	20	6	49	46	0	57	15	43	1	3
0	41	5	19	6	58	45	0	59	16	6	1	5
0	42	5	18	7	7	45	1	0	16	29	1	6
0	43	5	17	7	16	44	1	2	16	52	1	8
0	44	5	16	7	24	44	1	3	17	15	1	10
0	45	5	15	7	32	42	1	5	17	38	1	11
0	46	5	14	7	41	43	1	6	18	1	1	13
0	47	5	13	7	49	41	1	8	18	24	1	15
0	48	5	12	7	57	40	1	9	18	46	1	16
0	49	5	11	8	5	40	1	11	19	9	1	18
0	50	5	10	8	13	39	1	12	19	31	1	20
0	51	5	9	8	20	38	1	14	19	53	1	22
0	52	5	8	8	27	37	1	15	20	16	1	24
0	53	5	7	8	35	36	1	17	20	38	1	26
0	54	5	6	8	42	35	1	18	21	0	1	28
0	55	5	5	8	50	34	1	20	21	23	1	30
0	56	5	4	8	57	33	1	21	21	47	1	32
0	57	5	3	9	4	32	1	23	22	7	1	34
0	58	5	2	9	11	31	1	24	22	29	1	36
0	59	5	1	9	18	30	1	26	22	51	1	38
0	0	5	0	9	24	30	1	27	23	13	1	40
S	G	S	G	G	M	M	G	M	G	M	G	M

Tabula Equationum Martis ~~Secunda~~ Prima

Linee numeri communes				Equacio centri		Minuta proportionalia	Longitudo longior		Equacio argumenti		Longitudo propior	
s	g	s	g	g	m	m	g	m	g	m	g	m
0	1	5	59	0	11	60	0	2	0	24	0	2
0	2	5	58	0	22	60	0	3	0	48	0	3
0	3	5	57	0	33	60	0	4	1	12	0	4
0	4	5	56	0	44	60	0	6	1	36	0	6
0	5	5	55	0	55	60	0	7	2	0	0	7
0	6	5	54	1	5	60	0	8	2	24	0	9
0	7	5	53	1	16	59	0	10	2	48	0	10
0	8	5	52	1	27	59	0	11	3	12	0	12
0	9	5	51	1	38	59	0	12	3	36	0	13
0	10	5	50	1	49	59	0	14	3	59	0	15
0	11	5	49	2	0	59	0	15	4	23	0	16
0	12	5	48	2	10	59	0	16	4	46	0	18
0	13	5	47	2	21	58	0	18	5	10	0	20
0	14	5	46	2	32	58	0	19	5	34	0	21
0	15	5	45	2	42	58	0	20	5	57	0	22
0	16	5	44	2	53	57	0	22	6	21	0	24
0	17	5	43	3	3	57	0	23	6	44	0	26
0	18	5	42	3	13	57	0	24	7	8	0	28
0	19	5	41	3	24	56	0	26	7	32	0	29
0	20	5	40	3	35	56	0	27	7	56	0	31
0	21	5	39	3	45	56	0	28	8	19	0	32
0	22	5	38	3	56	55	0	30	8	42	0	34
0	23	5	37	4	6	55	0	32	9	6	0	35
0	24	5	36	4	16	55	0	33	9	30	0	37
0	25	5	35	4	16	54	0	35	9	54	0	38
0	26	5	34	4	36	54	0	37	10	18	0	40
0	27	5	33	4	46	53	0	38	10	41	0	41
0	28	5	32	4	56	53	0	40	11	5	0	43
0	29	5	31	4	6	52	0	41	11	28	0	44
0	30	5	30	5	16	52	0	42	11	51	0	46
0	31	5	29	5	26	51	0	44	12	15	0	48
0	32	5	28	5	36	51	0	45	12	38	0	50
0	33	5	27	5	45	50	0	47	13	1	0	51
0	34	5	26	5	55	50	0	48	13	24	0	53
0	35	5	25	6	4	49	0	50	13	48	0	55
0	36	5	24	6	13	49	0	51	14	11	0	56
0	37	5	23	6	22	48	0	53	14	34	0	58
0	38	5	22	6	31	47	0	54	14	57	1	0
0	39	5	21	6	40	47	0	56	15	20	1	1
0	40	5	20	6	49	46	0	57	15	43	1	3
0	41	5	19	6	58	45	0	59	16	6	1	5
0	42	5	18	7	7	44	0	0	16	24	1	6
0	43	5	17	7	16	44	1	2	16	47	1	8
0	44	5	16	7	24	44	1	3	17	10	1	10
0	45	5	15	7	32	43	1	5	17	32	1	11
0	46	5	14	7	41	42	1	6	18	1	1	13
0	47	5	13	7	49	41	1	8	18	24	1	15
0	48	5	12	7	57	40	1	9	18	46	1	16
0	49	5	11	8	5	40	1	11	19	9	1	18
0	50	5	10	8	13	39	1	12	19	31	1	20
0	51	5	9	8	20	38	1	14	19	53	1	22
0	52	5	8	8	29	37	1	15	20	16	1	24
0	53	5	7	8	35	33	1	17	20	36	1	26
0	54	5	6	8	42	35	1	18	21	0	1	28
0	55	5	5	8	50	34	1	20	21	23	1	30
0	56	5	4	8	57	33	1	21	21	45	1	32
0	57	5	3	9	4	32	1	23	22	7	1	34
0	58	5	2	9	11	31	1	24	22	29	1	36
0	59	5	1	9	18	30	1	26	22	51	1	38
1	0	5	0	9	24	30	1	27	23	13	1	40

Tabula Equacionum Martis Secunda

Linee numeri communes S	g	S	g	Equacio centri g	m	M pp m	londo longior g	m	Equacio argumenti g	m	londo propior g	m
1	1	4	59	9	31	20	1	29	23	35	1	42
1	2	4	58	9	37	28	1	30	23	57	1	44
1	3	4	57	9	43	27	1	32	23	18	1	46
1	4	4	56	9	49	26	1	34	23	40	1	48
1	5	4	55	9	55	25	1	36	24	1	1	50
1	6	4	54	10	0	24	1	37	24	22	1	53
1	7	4	53	10	5	23	1	39	24	44	1	55
1	8	4	52	10	10	22	1	41	25	5	1	57
1	9	4	51	10	15	21	1	43	25	26	1	59
1	10	4	50	10	20	20	1	45	25	47	2	1
1	11	4	49	10	25	19	1	47	26	8	2	3
1	12	4	48	10	29	17	1	49	26	29	2	6
1	13	4	47	10	34	16	1	51	26	50	2	8
1	14	4	46	10	38	15	1	53	27	11	2	10
1	15	4	45	10	42	14	1	55	27	31	2	12
1	16	4	44	10	46	13	1	57	27	52	2	14
1	17	4	43	10	50	12	1	59	28	12	2	16
1	18	4	42	10	53	11	2	1	28	32	2	19
1	19	4	41	10	57	10	2	3	28	52	2	21
1	20	4	40	11	0	9	2	5	29	12	2	23
1	21	4	39	11	3	8	2	8	29	32	2	26
1	22	4	38	11	6	7	2	10	29	52	2	28
1	23	4	37	11	9	5	2	11	30	11	2	30
1	24	4	36	11	12	4	2	14	30	30	2	33
1	25	4	35	11	15	3	2	16	31	49	2	35
1	26	4	34	11	17	2	2	18	32	8	2	38
1	27	4	33	11	19	1	2	20	32	27	2	41
1	28	4	32	11	21	propior 1	2	23	32	46	2	43
1	29	4	31	11	22	2	2	25	33	4	2	46
1	30	4	30	11	23	3	2	24	33	22	2	49

Linee numeri communes S	g	S	g	Equacio centri g	m	M pp m	londo longior / propior g	m	Equacio argumenti g	m	londo propior g	m
1	31	4	29	11	23	4	2	30	33	40	2	52
1	32	4	28	11	24	5	2	32	33	58	2	55
1	33	4	27	11	24	6	2	35	34	15	2	57
1	34	4	26	11	24	7	2	37	34	32	3	0
1	35	4	25	11	24	8	2	39	34	49	3	3
1	36	4	24	11	24	9	2	42	35	6	3	6
1	37	4	23	11	23	10	2	44	35	23	3	9
1	38	4	22	11	23	11	2	47	35	40	3	12
1	39	4	21	11	22	12	2	49	35	56	3	15
1	40	4	20	11	21	13	2	51	36	12	3	19
1	41	4	19	11	20	14	2	54	36	28	3	22
1	42	4	18	11	19	15	2	56	36	43	3	25
1	43	4	17	11	17	16	2	59	36	58	3	28
1	44	4	16	11	15	16	3	1	37	13	3	32
1	45	4	15	11	13	17	3	4	37	27	3	36
1	46	4	14	11	11	18	3	7	37	41	3	39
1	47	4	13	11	9	19	3	10	37	55	3	43
1	48	4	12	11	6	20	3	13	38	9	3	47
1	49	4	11	11	3	21	3	16	38	22	3	50
1	50	4	10	11	0	22	3	19	38	36	3	54
1	51	4	9	10	57	22	3	22	38	48	3	58
1	52	4	8	10	53	23	3	25	39	1	4	1
1	53	4	7	10	49	24	3	28	39	13	4	5
1	54	4	6	10	45	25	3	32	39	24	4	8
1	55	4	5	10	41	26	3	35	39	35	4	13
1	56	4	4	10	37	27	3	39	39	45	4	17
1	57	4	3	10	33	27	3	43	39	56	4	21
1	58	4	2	10	29	28	3	46	40	7	4	26
1	59	4	1	10	25	29	3	50	40	14	4	30
2	0	4	0	10	21	30	3	54	40	24	4	35

Tabula Equacionum Martis

Linee numeri	communes			Eq° centri		M pp	Lon° longior		Eq° arg		Lon° propior	
S	g	S	g	g	m	m	g	m	g	m	g	m
2	1	3	59	10	17	30	3	57	40	30	4	40
2	2	3	58	10	12	31	4	0	40	37	4	45
2	3	3	57	10	6	32	4	4	40	44	4	50
2	4	3	56	10	0	33	4	7	40	49	4	55
2	5	3	55	9	54	34	4	10	40	55	5	0
2	6	3	54	9	48	35	4	14	40	59	5	5
2	7	3	53	9	41	36	4	17	41	2	5	10
2	8	3	52	9	34	37	4	21	41	5	5	15
2	9	3	51	9	27	38	4	24	41	8	5	21
2	10	3	50	9	20	39	4	28	41	9	5	26
2	11	3	49	9	13	40	4	31	41	10	5	31
2	12	3	48	9	5	41	4	35	41	10	5	37
2	13	3	47	8	57	41	4	38	41	7	5	43
2	14	3	46	8	49	42	4	41	41	4	5	49
2	15	3	45	8	41	42	4	45	41	0	5	55
2	16	3	44	8	32	43	4	48	40	55	6	1
2	17	3	43	8	23	44	4	52	40	50	6	8
2	18	3	42	8	14	45	4	56	40	45	6	15
2	19	3	41	8	5	46	4	59	40	39	6	21
2	20	3	40	7	56	47	5	3	40	31	6	27
2	21	3	39	7	47	47	5	7	40	21	6	34
2	22	3	38	7	37	48	5	11	40	8	6	41
2	23	3	37	7	27	48	5	15	39	53	6	47
2	24	3	36	7	17	49	5	18	39	37	6	53
2	25	3	35	7	7	49	5	22	39	20	6	59
2	26	3	34	6	57	50	5	25	39	1	7	6
2	27	3	33	6	47	50	5	28	38	40	7	12
2	28	3	32	6	37	50	5	30	38	16	7	18
2	29	3	31	6	26	51	5	32	38	51	7	24
2	30	3	30	6	16	51	5	34	38	25	7	30

Linee numeri	communes			Eq° centri		M pp	Lon° longior		Eq° arg		Lon° propior	
S	g	S	g	g	m	m	g	m	g	m	g	m
2	31	3	29	6	5	52	5	30	36	57	7	35
2	32	3	28	5	54	52	5	37	36	27	7	40
2	33	3	27	5	43	53	5	38	35	55	7	45
2	34	3	26	5	32	53	5	38	35	11	7	50
2	35	3	25	5	21	54	5	38	34	52	7	54
2	36	3	24	5	9	55	5	38	33	22	7	58
2	37	3	23	4	57	55	5	37	33	7	8	0
2	38	3	22	4	45	56	5	36	32	20	8	2
2	39	3	21	4	32	56	5	34	31	30	8	3
2	40	3	20	4	20	57	5	30	30	36	8	2
2	41	3	19	4	8	57	5	[illegible]	29	38	8	0
2	42	3	18	3	55	58	5	[illegible]	28	37	7	58
2	43	3	17	3	42	58	5	[illegible]	27	28	7	55
2	44	3	16	3	31	58	5	11	26	16	7	51
2	45	3	15	3	18	58	4	[illegible]	25	3	7	44
2	46	3	14	3	5	58	4	41	23	47	7	34
2	47	3	13	2	52	59	4	30	22	29	7	26
2	48	3	12	2	39	59	4	18	21	0	7	6
2	49	3	11	2	26	59	4	[illegible]	19	29	6	42
2	50	3	10	2	13	59	3	[illegible]	17	58	6	16
2	51	3	9	1	59	59	3	32	16	26	5	49
2	52	3	8	1	46	59	3	12	14	45	5	22
2	53	3	7	1	33	59	2	10	13	1	x	54
2	54	3	6	1	20	60	2	[illegible]	11	15	4	26
2	55	3	5	1	7	60	2	[illegible]	9	27	3	46
2	56	3	4	0	54	60	1	40	7	37	3	3
2	57	3	3	0	40	60	1	10	5	47	2	20
2	58	3	2	0	27	60	0	[illegible]	3	22	1	34
2	59	3	1	0	14	60	0	[illegible]	1	57	0	47
3	0	3	0	0	0	60	0	[illegible]	0	0	0	0

Tabula Equationum veneris Prima

Argumentum veri		gradus		Equatio centri		Minuta proportionalia	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	1	5	59	0	2	60	0	0	0	26	0	0
0	2	5	58	0	4	60	0	1	0	51	0	1
0	3	5	57	0	6	60	0	1	1	16	0	1
0	4	5	56	0	9	60	0	1	1	41	0	1
0	5	5	55	0	11	60	0	1	2	6	0	2
0	6	5	54	0	13	60	0	1	2	31	0	2
0	7	5	53	0	15	60	0	1	2	56	0	2
0	8	5	52	0	17	59	0	1	3	21	0	3
0	9	5	51	0	19	59	0	2	3	46	0	3
0	10	5	50	0	21	59	0	2	4	11	0	3
0	11	5	49	0	24	59	0	2	4	36	0	4
0	12	5	48	0	26	59	0	3	5	1	0	4
0	13	5	47	0	28	58	0	3	5	26	0	4
0	14	5	46	0	30	58	0	3	5	51	0	5
0	15	5	45	0	32	58	0	4	6	16	0	5
0	16	5	44	0	34	57	0	4	6	41	0	5
0	17	5	43	0	36	57	0	4	7	6	0	6
0	18	5	42	0	38	57	0	5	7	31	0	6
0	19	5	41	0	41	56	0	5	7	56	0	6
0	20	5	40	0	43	56	0	5	8	21	0	7
0	21	5	39	0	45	56	0	6	8	46	0	7
0	22	5	38	0	47	55	0	6	[illegible]	11	0	7
0	23	5	37	0	49	55	0	6	9	36	0	8
0	24	5	36	0	51	55	0	7	10	1	0	8
0	25	5	35	0	53	54	0	7	10	26	0	8
0	26	5	34	0	55	54	0	7	10	51	0	9
0	27	5	33	0	57	53	0	8	11	16	0	9
0	28	5	32	0	59	53	0	8	11	41	0	9
0	29	5	31	1	1	52	0	9	12	6	0	10
0	30	5	30	1	3	52	0	9	12	30	0	10
0	31	5	29	1	5	51	0	9	12	55	0	10
0	32	5	28	1	7	51	0	10	13	20	0	11
0	33	5	27	1	9	50	0	10	13	44	0	11
0	34	5	26	1	10	50	0	10	14	9	0	11
0	35	5	25	1	12	49	0	11	14	34	0	11
0	36	5	24	1	14	49	0	11	14	58	0	12
0	37	5	23	1	16	48	0	11	15	23	0	12
0	38	5	22	1	17	48	0	12	15	48	0	12
0	39	5	21	1	19	47	0	12	16	12	0	12
0	40	5	20	1	21	47	0	12	16	37	0	13
0	41	5	19	1	22	46	0	13	17	1	0	13
0	42	5	18	1	24	45	0	13	17	25	0	13
0	43	5	17	1	26	45	0	13	17	50	0	13
0	44	5	16	1	27	44	0	14	18	14	0	14
0	45	5	15	1	29	43	0	14	18	38	0	14
0	46	5	14	1	31	42	0	14	18	3	0	14
0	47	5	13	1	32	42	0	15	19	27	0	15
0	48	5	12	1	34	41	0	15	19	51	0	15
0	49	5	11	1	36	40	0	15	19	15	0	15
0	50	5	10	1	37	40	0	16	20	39	0	16
0	51	5	9	1	30	39	0	15	20 [21]	3	0	16
0	52	5	8	1	40	38	0	16	21	27	0	16
0	53	5	7	1	42	37	0	17	21	51	0	17
0	54	5	6	1	43	36	0	17	22	15	0	17
0	55	5	5	1	44	35	0	17	22	39	0	17
0	56	5	4	1	46	34	0	18	23	3	0	18
0	57	5	3	1	47	33	0	18	23	27	0	18
0	58	5	2	1	48	32	0	18	23	51	0	18
0	59	5	1	1	50	31	0	19	24	15	0	19
1	0	5	0	1	51	30	0	19	24	38	0	19

Tabula Equacionum generis Secunda

Linee numeri communes				Equacio centri longior		Minuta proportionalia	longitudo longior		Equacio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	1	4	59	1	52	29	0	10	25	2	0	19
1	2	4	58	1	53	28	0	20	25	25	0	20
1	3	4	57	1	54	27	0	20	25	48	0	20
1	4	4	56	1	55	26	0	20	26	11	0	21
1	5	4	55	1	56	25	0	20	26	34	0	21
1	6	4	54	1	57	24	0	21	26	57	0	22
1	7	4	53	1	58	23	0	22	27	20	0	22
1	8	4	52	1	59	22	0	22	27	43	0	23
1	9	4	51	2	0	21	0	23	28	6	0	23
1	10	4	50	2	1	20	0	23	28	29	0	24
1	11	4	49	2	1	19	0	24	28	52	0	24
1	12	4	48	2	2	18	0	24	29	14	0	25
1	13	4	47	2	3	16	0	24	29	37	0	25
1	14	4	46	2	3	17	0	25	29	59	0	26
1	15	4	45	2	4	14	0	25	30	21	0	27
1	16	4	44	2	5	13	0	26	30	43	0	27
1	17	4	43	2	5	12	0	26	31	5	0	28
1	18	4	42	2	6	11	0	26	31	27	0	28
1	19	4	41	2	6	10	0	27	31	44	0	29
1	20	4	40	2	7	9	0	27	32	11	0	29
1	21	4	39	2	7	8	0	28	32	33	0	30
1	22	4	38	2	8	7	0	28	32	55	0	30
1	23	4	37	2	8	6	0	29	33	17	0	31
1	24	4	36	2	9	5	0	30	33	38	0	31
1	25	4	35	2	9	4	0	30	34	0	0	32
1	26	4	34	2	9	3	0	31	34	21	0	32
1	27	4	33	2	9	2	0	32	34	42	0	33
1	28	4	32	2	10	1	0	32	35	3	0	33
1	29	4	31	2	10	1	0	33	35	24	0	34
1	30	4	30	2	10	2	0	33	35	44	0	34

Linee numeri communes				Equacio centri propior		Minuta proportionalia	longitudo longior		Equacio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	31	4	29	2	10	3	0	34	36	4	0	35
1	32	4	28	2	10	4	0	35	36	24	0	36
1	33	4	27	2	10	5	0	35	36	44	0	37
1	34	4	26	2	10	6	0	36	37	4	0	37
1	35	4	25	2	10	7	0	36	37	23	0	38
1	36	4	24	2	10	8	0	37	37	42	0	38
1	37	4	23	2	10	9	0	37	38	2	0	39
1	38	4	22	2	10	10	0	38	38	21	0	40
1	39	4	21	2	9	11	0	38	38	40	0	40
1	40	4	20	2	9	12	0	39	38	59	0	41
1	41	4	19	2	9	13	0	39	39	17	0	42
1	42	4	18	2	8	14	0	40	39	35	0	43
1	43	4	17	2	8	15	0	41	39	53	0	43
1	44	4	16	2	7	16	0	41	40	11	0	44
1	45	4	15	2	7	17	0	42	40	29	0	45
1	46	4	14	2	6	18	0	43	40	46	0	46
1	47	4	13	2	6	19	0	43	41	3	0	47
1	48	4	12	2	5	20	0	44	41	20	0	47
1	49	4	11	2	5	21	0	45	41	37	0	48
1	50	4	10	2	4	22	0	46	41	53	0	49
1	51	4	9	2	4	23	0	47	42	9	0	50
1	52	4	8	2	3	24	0	48	42	24	0	51
1	53	4	7	2	2	25	0	49	42	39	0	52
1	54	4	6	2	1	26	0	50	42	53	0	52
1	55	4	5	2	0	27	0	51	43	7	0	53
1	56	4	4	1	59	28	0	51	43	21	0	54
1	57	4	3	1	58	29	0	52	43	35	0	55
1	58	4	2	1	57	30	0	53	43	48	0	56
1	59	4	1	1	56	31	0	54	44	1	0	56
2	0	4	0	1	55	31	0	54	44	13	0	57

Tabula Equacionum Veneris Tercia

Linee numeri communes				Equatio centri		Diversitas proportio	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	1	3	59	1	54	32	0	55	44	27	0	58
2	2	3	58	1	53	33	0	56	44	36	0	59
2	3	3	57	1	52	34	0	57	44	47	1	0
2	4	3	56	1	50	35	0	58	44	57	1	1
2	5	3	55	1	49	36	0	59	45	6	1	2
2	6	3	54	1	48	37	1	0	45	14	1	3
2	7	3	53	1	46	38	1	1	45	21	1	5
2	8	3	52	1	45	39	1	2	45	27	1	6
2	9	3	51	1	44	40	1	3	45	33	1	8
2	10	3	50	1	42	40	1	4	45	39	1	9
2	11	3	49	1	41	41	1	5	45	45	1	10
2	12	3	48	1	39	42	1	6	45	50	1	11
2	13	3	47	1	38	43	1	7	45	54	1	12
2	14	3	46	1	36	44	1	9	45	57	1	13
2	15	3	45	1	34	44	1	10	45	59	1	15
2	16	3	44	1	33	45	1	11	45	59	1	16
2	17	3	43	1	31	46	1	12	45	58	1	17
2	18	3	42	1	30	47	1	14	45	57	1	19
2	19	3	41	1	28	47	1	15	45	55	1	20
2	20	3	40	1	26	48	1	17	45	51	1	22
2	21	3	39	1	24	48	1	19	45	46	1	23
2	22	3	38	1	23	49	1	21	45	39	1	24
2	23	3	37	1	21	49	1	23	45	31	1	25
2	24	3	36	1	19	50	1	24	45	21	1	27
2	25	3	35	1	17	50	1	26	45	9	1	28
2	26	3	34	1	15	51	1	28	44	55	1	30
2	27	3	33	1	13	51	1	29	44	39	1	32
2	28	3	32	1	11	52	1	31	44	21	1	34
2	29	3	31	1	9	52	1	32	44	1	1	36
2	30	3	30	1	7	53	1	33	43	39	1	38

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Linee numeri communes				Equatio centri		Diversitas proportio	Longitudo longior		Equatio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	31	3	29	1	5	53	1	35	43	51	1	40
2	32	3	28	1	3	54	1	36	42	48	1	42
2	33	3	27	1	1	54	1	37	42	18	1	44
2	34	3	26	0	59	55	1	38	41	47	1	46
2	35	3	25	0	57	55	1	39	41	8	1	47
2	36	3	24	0	55	55	1	39	40	28	1	48
2	37	3	23	0	52	56	1	40	39	47	1	49
2	38	3	22	0	50	56	1	40	38	58	1	50
2	39	3	21	0	48	56	1	41	38	7	1	51
2	40	3	20	0	46	57	1	41	37	12	1	51
2	41	3	19	0	44	57	1	42	36	12	1	52
2	42	3	18	0	42	57	1	42	35	7	1	52
2	43	3	17	0	40	57	1	41	33	57	1	52
2	44	3	16	0	37	58	1	40	32	43	1	51
2	45	3	15	0	35	58	1	38	31	24	1	50
2	46	3	14	0	33	58	1	36	29	58	1	49
2	47	3	13	0	31	58	1	34	28	25	1	46
2	48	3	12	0	28	58	1	31	26	46	1	43
2	49	3	11	0	26	59	1	28	25	2	1	38
2	50	3	10	0	24	59	1	24	23	12	1	33
2	51	3	9	0	21	59	1	19	21	15	1	27
2	52	3	8	0	19	59	1	12	19	11	1	21
2	53	3	7	0	17	59	1	4	17	2	1	14
2	54	3	6	0	14	59	0	57	14	44	1	6
2	55	3	5	0	12	60	0	48	12	26	0	57
2	56	3	4	0	10	60	0	40	10	4	0	46
2	57	3	3	0	7	60	0	31	7	38	0	35
2	58	3	2	0	5	60	0	21	5	9	0	24
2	59	3	1	0	3	60	0	11	2	36	0	12
3	0	3	0	0	0	60	0	0	0	0	0	0

Tabula Equacionum Mercurii Prima

Anni nu centrum				Equac. centri longior		p	longitudo longior		Eq. arg.		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	1	5	59	0	3	60	0	2	0	17	0	1
0	2	5	58	0	6	60	0	4	0	33	0	2
0	3	5	57	0	9	60	0	5	0	49	0	3
0	4	5	56	0	12	59	0	7	1	5	0	4
0	5	5	55	0	15	59	0	9	1	22	0	4
0	6	5	54	0	17	59	0	10	1	38	0	5
0	7	5	53	0	20	58	0	12	1	55	0	6
0	8	5	52	0	22	58	0	14	2	11	0	7
0	9	5	51	0	25	58	0	15	2	27	0	8
0	10	5	50	0	28	57	0	17	2	44	0	9
0	11	5	49	0	30	57	0	19	3	0	0	10
0	12	5	48	0	33	57	0	20	3	16	0	11
0	13	5	47	0	35	56	0	22	3	32	0	12
0	14	5	46	0	38	56	0	23	3	48	0	13
0	15	5	45	0	40	55	0	24	4	5	0	14
0	16	5	44	0	43	55	0	26	4	21	0	15
0	17	5	43	0	45	54	0	28	4	37	0	16
0	18	5	42	0	48	54	0	29	4	53	0	17
0	19	5	41	0	50	53	0	31	5	9	0	18
0	20	5	40	0	53	53	0	33	5	25	0	19
0	21	5	39	0	55	52	0	34	5	41	0	20
0	22	5	38	0	58	51	0	36	5	57	0	21
0	23	5	37	1	0	51	0	38	6	13	0	22
0	24	5	36	1	2	50	0	39	6	29	0	23
0	25	5	35	1	5	49	0	41	6	45	0	24
0	26	5	34	1	8	48	0	43	7	1	0	24
0	27	5	33	1	10	47	0	44	7	17	0	25
0	28	5	32	1	13	46	0	46	7	33	0	26
0	29	5	31	1	15	45	0	48	7	49	0	27
0	30	5	30	1	17	44	0	49	8	4	0	28

Anni nu centrum				Equac. centri longior		p	longitudo longior		Equac. arg.		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
0	31	5	29	1	20	43	0	51	8	20	0	29
0	32	5	28	1	23	42	0	53	8	35	0	30
0	33	5	27	1	25	41	0	54	8	50	0	31
0	34	5	26	1	28	40	0	56	9	6	0	32
0	35	5	25	1	30	30	0	58	9	21	0	33
0	36	5	24	1	33	38	0	59	9	36	0	34
0	37	5	23	1	36	36	1	1	9	51	0	35
0	38	5	22	1	38	35	1	2	10	6	0	36
0	39	5	21	1	40	34	1	4	10	21	0	37
0	40	5	20	1	43	33	1	5	10	36	0	38
0	41	5	19	1	45	32	1	7	10	51	0	39
0	42	5	18	1	47	31	1	8	11	6	0	40
0	43	5	17	1	50	29	1	10	11	21	0	41
0	44	5	16	1	52	28	1	12	11	36	0	42
0	45	5	15	1	54	27	1	13	11	50	0	43
0	46	5	14	1	57	25	1	15	12	5	0	44
0	47	5	13	1	59	24	1	16	12	19	0	45
0	48	5	12	2	1	23	1	18	12	34	0	46
0	49	5	11	2	4	21	1	20	12	48	0	46
0	50	5	10	2	6	20	1	22	13	2	0	47
0	51	5	9	2	8	19	1	23	13	16	0	48
0	52	5	8	2	10	17	1	25	13	30	0	49
0	53	5	7	2	12	16	1	27	13	44	0	49
0	54	5	6	2	14	15	1	28	13	58	0	50
0	55	5	5	2	16	13	1	30	14	12	0	51
0	56	5	4	2	18	12	1	32	14	26	0	52
0	57	5	3	2	19	11	1	34	14	39	0	53
0	58	5	2	2	21	9	1	36	14	52	0	54
0	59	5	1	2	23	8	1	38	15	5	0	55
0	0	5	0	2	24	7	1	39	15	18	0	56

Tabula Equationum Mercurii Secunda

Linee numeri communes				Equacio centri		Minuta proporcionalia	Longitudo longior		Equacio argumenti		Longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
1	1	4	59	2	27	5	1	41	15	31	0	57
1	2	4	58	2	29	4	1	43	15	44	0	58
1	3	4	57	2	31	2	1	44	15	56	1	0
1	4	4	56	2	33	1	1	46	16	9	1	1
1	5	4	55	2	34	1 prior	1	48	16	21	1	2
1	6	4	54	2	36	2	1	49	16	33	1	4
1	7	4	53	2	38	4	1	51	16	45	1	5
1	8	4	52	2	40	6	1	53	16	57	1	6
1	9	4	51	2	41	8	1	55	17	9	1	7
1	10	4	50	2	43	10	1	56	17	21	1	8
1	11	4	49	2	44	12	1	58	17	32	1	9
1	12	4	48	2	45	14	1	59	17	43	1	11
1	13	4	47	2	47	16	2	1	17	54	1	12
1	14	4	46	2	48	18	2	3	18	5	1	13
1	15	4	45	2	49	20	2	4	18	16	1	14
1	16	4	44	2	50	22	2	6	18	27	1	15
1	17	4	43	2	51	24	2	8	18	37	1	16
1	18	4	42	2	52	25	2	10	18	47	1	17
1	19	4	41	2	53	27	2	12	18	57	1	18
1	20	4	40	2	54	29	2	13	19	7	1	19
1	21	4	39	2	55	30	2	14	19	16	1	20
1	22	4	38	2	56	32	2	16	19	25	1	21
1	23	4	37	2	57	34	2	18	19	34	1	22
1	24	4	36	2	58	35	2	19	19	44	1	23
1	25	4	35	2	58	37	2	21	19	53	1	24
1	26	4	34	2	59	38	2	23	20	2	1	25
1	27	4	33	2	59	40	2	24	20	10	1	26
1	28	4	32	3	0	41	2	26	20	18	1	27
1	29	4	31	3	0	43	2	28	20	25	1	28
1	30	4	30	3	1	44	2	29	20	33	1	29
1	31	4	29	3	1	46	2	31	20	40	1	30
1	32	4	28	3	1	47	2	33	20	47	1	31
1	33	4	27	3	2	48	2	34	20	54	1	32
1	34	4	26	3	2	49	2	36	21	1	1	33
1	35	4	25	3	2	50	2	38	21	7	1	34
1	36	4	24	3	2	50	2	39	21	13	1	35
1	37	4	23	3	2	51	2	41	21	19	1	36
1	38	4	22	3	1	52	2	43	21	24	1	37
1	39	4	21	3	1	53	2	44	21	29	1	38
1	40	4	20	3	1	54	2	46	21	34	1	39
1	41	4	19	3	0	55	2	47	21	38	1	40
1	42	4	18	3	0	57	2	49	21	42	1	41
1	43	4	17	2	59	57	2	50	21	46	1	42
1	44	4	16	2	59	58	2	52	21	49	1	43
1	45	4	15	2	58	58	2	53	21	52	1	44
1	46	4	14	2	58	58	2	55	21	55	1	45
1	47	4	13	2	57	58	2	57	21	57	1	46
1	48	4	12	2	56	59	2	58	21	59	1	47
1	49	4	11	2	55	59	3	0	22	0	1	48
1	50	4	10	2	54	59	3	1	22	1	1	49
1	51	4	9	2	53	60	3	2	22	2	1	50
1	52	4	8	2	52	60	3	3	22	2	1	51
1	53	4	7	2	51	60	3	3	22	1	1	52
1	54	4	6	2	50	60	3	4	22	0	1	53
1	55	4	5	2	49	60	3	4	21	59	1	54
1	56	4	4	2	48	60	3	5	21	58	1	55
1	57	4	3	2	46	60	3	6	21	56	1	56
1	58	4	2	2	45	60	3	6	21	53	1	56
1	59	4	1	2	43	60	3	7	21	50	1	57
2	0	4	0	2	42	60 longior	3	8	21	47	1	57

Tabula equationum Mercurii Tercia

Linee numeri communes				Equatio centri		minuta proportionalia longior	longitudo longior		Equatio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	1	3	59	2	39	60	3	8	21	43	1	58
2	2	3	58	2	37	60	3	9	21	38	1	58
2	3	3	57	2	35	60	3	9	21	33	1	58
2	4	3	56	2	34	60	3	9	21	27	1	59
2	5	3	55	2	32	59	3	10	21	21	1	59
2	6	3	54	2	30	59	3	10	21	15	1	59
2	7	3	53	2	28	59	3	11	21	8	2	0
2	8	3	52	2	26	58	3	11	21	1	2	0
2	9	3	51	2	24	58	3	12	20	53	2	0
2	10	3	50	2	22	58	3	12	20	44	2	0
2	11	3	49	2	20	57	3	12	20	35	2	1
2	12	3	48	2	18	57	3	11	20	25	2	1
2	13	3	47	2	16	57	3	11	20	14	2	1
2	14	3	46	2	14	56	3	10	20	2	2	1
2	15	3	45	2	11	56	3	9	19	50	2	1
2	16	3	44	2	9	56	3	8	19	37	2	1
2	17	3	43	2	7	55	3	7	19	24	2	0
2	18	3	42	2	4	55	3	6	19	19	2	0
2	19	3	41	2	2	54	3	5	18	55	2	0
2	20	3	40	2	0	54	3	4	18	40	2	0
2	21	3	39	1	57	53	3	2	18	24	2	0
2	22	3	38	1	55	53	3	1	18	4	1	59
2	23	3	37	1	52	52	2	59	17	50	1	59
2	24	3	36	1	49	52	2	57	17	34	1	58
2	25	3	35	1	47	51	2	55	17	14	1	57
2	26	3	34	1	44	51	2	53	16	55	1	55
2	27	3	33	1	41	50	2	51	16	35	1	53
2	28	3	32	1	38	49	2	48	16	14	1	51
2	29	3	31	1	35	49	2	45	15	53	1	49
2	30	3	30	1	32	48	2	42	15	31	1	47

Linee numeri communes				Equatio centri		minuta proportionalia longior	longitudo longior		Equatio argumenti		longitudo propior	
S	G	S	G	G	M	M	G	M	G	M	G	M
2	31	3	29	1	30	48	2	39	15	8	1	45
2	32	3	28	1	27	47	2	36	14	44	1	43
2	33	3	27	1	24	47	2	32	14	20	1	41
2	34	3	26	1	21	46	2	29	13	55	1	39
2	35	3	25	1	18	46	2	25	13	29	1	37
2	36	3	24	1	15	45	2	21	13	3	1	34
2	37	3	23	1	12	45	2	17	12	36	1	32
2	38	3	22	1	9	44	2	13	12	9	1	29
2	39	3	21	1	6	44	2	9	11	41	1	26
2	40	3	20	1	3	43	2	5	11	12	1	23
2	41	3	19	1	0	43	2	0	10	43	1	20
2	42	3	18	0	57	43	1	55	10	13	1	17
2	43	3	17	0	54	42	1	50	9	43	1	14
2	44	3	16	0	51	42	1	44	9	12	1	11
2	45	3	15	0	48	42	1	38	8	40	1	7
2	46	3	14	0	45	42	1	32	8	7	1	4
2	47	3	13	0	42	41	1	26	7	34	1	0
2	48	3	12	0	39	41	1	19	7	1	0	56
2	49	3	11	0	35	41	1	13	6	27	0	52
2	50	3	10	0	32	41	1	7	5	53	0	47
2	51	3	9	0	28	41	1	1	5	19	0	43
2	52	3	8	0	25	41	0	55	4	44	0	38
2	53	3	7	0	22	40	0	49	4	10	0	33
2	54	3	6	0	19	40	0	42	3	35	0	28
2	55	3	5	0	16	40	0	35	3	0	0	24
2	56	3	4	0	13	40	0	28	2	24	0	19
2	57	3	3	0	9	40	0	21	1	49	0	14
2	58	3	2	0	6	40	0	14	1	12	0	10
2	59	3	1	0	3	40	0	7	0	36	0	5
2	0	3	0	0	0	40	0	0	0	0	0	0

Expliciunt tabule Illustris Regis Alfonsi Per Nicolaum de Ossowicze Et sunt finite virtute primi entis

Tabula Equacionum dierum cum noctibus suis

Linea numeri Graduum Cõis	Capri Equatio dierum		Aqua Equatio dierum		Pisces Equatio dierum		Aries Equatio dierum		Thaurus Equatio dierum		Gemini Equatio dierum		Cancer Equatio dierum		Leo Equatio dierum		Virgo Equatio dierum		Libra Equatio dierum		Scor Equatio dierum		Sagit Equatio dierum	
	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M
1	3	46	0	38	0	9	2	7	4	33	5	19	4	4	2	51	3	43	6	5	7	53	7	5
2	3	37	0	34	0	11	2	12	4	36	5	17	4	1	2	50	3	47	6	10	7	54	7	0
3	3	29	0	31	0	13	2	17	4	39	5	15	3	57	2	50	3	51	6	15	7	54	6	55
4	3	22	0	27	0	15	2	22	4	43	5	14	3	54	2	50	3	55	6	20	7	55	6	50
5	3	14	0	23	0	18	2	27	4	46	5	13	3	50	2	49	3	59	6	25	7	55	6	45
6	3	7	0	21	0	21	2	33	4	49	5	12	3	47	2	50	4	4	6	30	7	56	6	40
7	3	0	0	19	0	23	2	38	4	53	5	10	3	44	2	51	4	8	6	35	7	56	6	34
8	2	52	0	16	0	26	2	42	4	56	5	8	3	41	2	51	4	12	6	40	7	57	6	28
9	2	45	0	14	0	30	2	48	4	58	5	6	3	38	2	52	4	17	6	44	7	57	6	22
10	2	38	0	12	0	33	2	53	4	1	5	4	3	35	2	52	4	22	6	48	7	56	6	16
11	2	31	0	10	0	37	2	59	4	3	5	1	3	32	2	54	4	26	6	53	7	56	6	10
12	2	24	0	8	0	40	3	4	4	6	4	59	3	28	2	56	4	31	6	57	7	55	6	2
13	2	17	0	6	0	44	3	9	4	9	4	57	3	25	2	58	4	36	7	1	7	55	5	58
14	2	10	0	4	0	48	3	15	4	10	4	55	3	22	2	58	4	40	7	5	7	54	5	52
15	2	3	0	3	0	52	3	21	5	11	4	52	3	19	3	0	4	46	7	8	7	53	5	45
16	1	57	0	2	0	56	3	27	5	14	4	49	3	18	3	2	4	50	7	12	7	51	5	38
17	1	51	0	1	1	1	3	31	5	15	4	46	3	13	3	5	4	56	7	16	7	50	5	30
18	1	45	0	0	1	5	3	36	5	17	4	43	3	12	3	7	5	1	7	20	7	48	5	23
19	1	39	0	0	1	9	3	40	5	18	4	40	3	9	3	9	5	6	7	23	7	46	5	16
20	1	33	0	0	1	14	3	47	5	19	4	37	3	7	3	11	5	11	7	26	7	44	5	9
21	1	27	0	0	1	19	3	50	5	19	4	34	3	5	3	14	5	16	7	29	7	41	5	2
22	1	22	0	0	1	23	3	55	5	20	4	31	3	3	3	17	5	20	7	32	7	38	4	55
23	1	16	0	0	1	28	4	0	5	20	4	28	3	1	3	20	5	25	7	35	7	36	4	48
24	1	10	0	0	1	33	4	4	5	20	4	25		59	3	23	5	30	7	38	7	32	4	40
25	1	5	0	0	1	37	4	9	5	21	4	22	2	57	3	26	5	35	7	41	7	28	4	32
26	1	1	0	1	1	42	4	13	5	21	4	19	2	56	3	29	5	40	7	43	7	25	4	28
27	0	57	0	2	1	47	4	17	5	21	4	16	2	55	3	31	5	45	7	45	7	21	4	17
28	0	52	0	3	1	52	4	21	5	20	4	13	2	54	3	33	5	50	7	47	7	17	4	9
29	0	47	0	4	1	57	4	25	5	20	4	10	2	53	3	35	5	55	7	49	7	14	4	2
30	0	42	0	6	2	2	4	29	5	20	4	7	2	52	3	37	6	0	7	51	7	10	3	54

Tabula veri motus luminarium in una hora et in uno naturali die

Anni collecti		Motus solis in una hora			Motus lune in una hora			Motus solis in uno naturali die			Motus lune in uno naturali die		
g	g	m	2	3	m	2	3	g	2	3	g	2	3
0	360	2	22	30	29	37	13	0	57	0	11	50	53
6	354	2	22	33	29	39	19	0	57	1	11	51	43
12	348	2	22	37	29	42	6	0	57	2	11	52	50
18	342	2	22	38	29	46	17	0	57	3	11	54	31
24	336	2	22	55	29	51	51	0	57	10	11	56	44
30	330	2	23	17	29	59	31	0	57	17	11	59	48
36	324	2	23	27	30	8	34	0	57	26	12	3	27
42	318	2	23	44	30	19	43	0	57	29	12	7	53
48	312	2	24	7	30	32	15	0	57	38	12	12	54
54	306	2	24	34	30	46	53	0	57	44	12	18	47
60	300	2	25	8	31	2	55	0	58	3	12	25	10
66	294	2	25	43	31	18	55	0	58	18	12	31	34
72	288	2	26	12	31	37	45	0	58	29	12	39	6
78	282	2	26	39	31	57	15	0	58	39	12	46	54
84	276	2	27	7	32	16	45	0	58	51	12	54	42
90	270	2	27	46	32	39	45	0	59	7	13	3	54
96	264	2	28	28	33	8	51	0	59	23	13	14	13
102	258	2	28	53	33	30	36	0	59	33	13	21	28
108	252	2	29	20	33	49	27	0	59	44	13	31	46
114	246	2	30	14	34	10	19	1	0	7	13	49	8
120	240	2	30	46	34	35	55	1	0	18	13	50	10
126	234	2	31	23	34	58	23	1	0	33	13	59	58
132	228	2	31	38	35	18	35	1	0	49	14	7	47
138	222	2	32	17	35	38	47	1	0	53	14	15	32
144	216	2	32	27	35	57	36	1	0	58	14	23	3
150	210	2	33	2	36	13	57	1	1	3	14	29	57
156	204	2	33	7	36	28	17	1	1	11	14	35	18
162	198	2	33	9	36	38	0	1	1	17	14	39	12
168	192	2	33	21	36	46	22	1	1	20	14	42	32
174	186	2	33	32	36	53	17	1	1	25	14	45	18
180	180	2	33	40	36	58	54	1	1	28	14	47	33

Nota quod tabula augetur per 6 gradus et quod [illegible] [illegible] [illegible] [illegible] quibus [illegible] tabula [illegible] [illegible] [illegible] ad aliqui [illegible] [illegible] [illegible] ad [illegible] denominationem et [illegible] post [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] per augendo tabule et [illegible] denominatio [illegible] ~~[illegible]~~ ~~[illegible] per 6 [illegible]~~ et [illegible] [illegible] [illegible] per 6 si in [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] per 6 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] per 60 dividendo [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Tabula proportionis ducta per duos gradus

Gradus proportionis		Minuta proportionalia		Gradus proportionis		Minuta proportionalia		Gradus proportionis		Minuta proportionalia	
Gra	gra	m	2a	G	g	m	2a	gra	g	m	2a
2	358	0	2	62	298	14	55	122	238	45	0
4	356	0	6	64	296	15	45	124	236	46	0
6	354	0	12	66	294	16	41	126	234	47	7
8	352	0	20	68	292	17	38	128	232	47	56
10	350	0	30	70	290	18	36	130	230	48	[illegible]
12	348	0	42	72	288	19	36	132	228	49	30
14	346	0	57	74	286	20	36	134	226	50	19
16	344	1	15	76	284	21	36	136	224	51	6
18	342	1	34	78	282	22	36	138	222	51	50
20	340	1	55	80	280	23	36	140	220	52	32
22	338	2	18	82	278	24	36	142	218	53	[illegible]
24	336	2	42	84	276	25	36	144	216	53	48
26	334	3	5	86	274	26	36	146	214	54	24
28	332	3	25	88	272	27	40	148	212	54	59
30	330	3	54	90	270	28	42	150	210	55	34
32	328	4	21	92	268	29	44	152	208	56	8
34	326	4	50	94	266	30	46	154	206	56	42
36	324	5	21	96	264	31	48	156	204	57	[illegible]
38	322	5	57	98	262	32	50	158	202	57	43
40	320	6	34	100	260	33	52	160	200	58	8
42	318	7	13	102	258	34	54	162	198	58	31
44	316	7	52	104	256	35	56	164	196	58	50
46	314	8	31	106	254	36	58	166	194	59	7
48	312	9	15	108	252	38	0	168	192	59	21
50	310	10	0	110	250	39	0	100	190	59	33
52	308	10	46	112	248	40	0	172	188	59	43
54	306	11	33	114	246	41	0	174	186	59	[illegible]
56	304	12	21	116	244	42	0	176	184	59	56
58	302	13	10	118	242	43	0	178	182	59	58
60	300	14	0	120	240	44	0	180	180	60	0

Tabula aetatum

Tabula equacionis seu tabula retrogradacionis planetarum stationum et directionum dictorum porcionum sive aetatum et introitus cum argumento vero eorum

Anni in gemmes (?)		Longitudo portionum		Equatio			S	G	M	Porcio equata saturni
Anni	Gradus	Signa	Minuta	Signa	Minuta	Inicium stationis prime	3	29	44	
							3	21	30	Retrogradationis initium
6	354	0	21	0	0	Retrogradationis finis	8	4	30	
12	348	0	42	0	0		8	7	16	Stationis 2e finis
18	342	1	42	0	1	Porcio equata Iovis	S	G	M	
24	336	2	42	1	2		[illegible]	[illegible]	[illegible]	Initium stationis prime Iovis
30	330	4	1	1	3	Retrogradationis initium	4	7	11	
36	324	5	21	1	4		7	22	49	Retrogradationis finis
42	318	7	18	2	5	Stationis secunde finis	7	25	55	
48	312	9	7	2	6		S	G	M	Porcio equata Martis
54	306	11	37	2	8	Initium 2e stationis [illegible]	[illegible]	7	28	
60	300	14	0	3	9		5	19	25	Retrogradationis initium
66	294	16	48	3	11	Retrogradationis finis	6	10	47	
72	288	19	36	4	13		6	22	33	Stationis secunde finis
78	282	22	36	4	14	Porcio equata Veneris	S	G	M	
84	276	25	36	5	16		5	17	16	Initium stationis prime Veneris
90	270	28	42	6	17	Retrogradationis initium	5	18	21	
96	264	31	48	6	19		6	11	39	Retrogradationis finis
102	258	34	54	7	21	Stationis 2e finis	6	34	9	
108	252	38	0	8	22		S	G	M	Porcio equata Mercurii
114	246	41	0	8	24	Initium stationis prime Mercurii	4	29	42	
120	240	44	0	9	26		4	27	14	Retrogradationis initium
126	234	46	45	9	27	Retrogradationis finis	7	2	46	
132	228	49	30	10	28		7	5	16	Stationis secunde finis
138	222	52	39	10	29					
144	216	53	42	11	30					
150	210	55	34	11	30					
156	204	57	15	11	31					
162	198	58	13	12	31					
168	192	59	21	12	32					
174	186	59	41	12	32					
180	180	60	0	12	32					

[illegible]

Tabula diversitatis aspectus lune ex septentrionali ad latitudinem 51 graduum

Cancri ho.	m.	Longitudo m.	Latitudo m.	Leonis ho.	m.	Longitudo m.	Latitudo m.	Virginis ho.	m.	Longitudo m.	Latitudo m.	Libre ho.	m.	Longitudo m.	Latitudo m.	Scorpii ho.	m.	Longitudo m.	Latitudo m.	Sagittarii ho.	m.	Longitudo m.	Latitudo m.	Capricorni ho.	m.	Longitudo m.	Latitudo m.
8	12	26	44	8	12	37	34	6	79	41	24	6		46	21	5	1	42	24	4	10	36	32	3	20	24	41
7		28	40	7		36	32	6		41	23	5		44	22	5		42	26	4		34	33	3		22	44
6		30	37	6		36	29	5		43	22	4		41	23	4		40	28	3		39	37	2		16	46
5		29	34	5		37	27	4		40	21	3		37	27	3		36	32	2		27	41	1		8	48
4		26	31	4		32	27	3		37	20	2		30	26	2		31	34	1		19	44			0	0
3		22	27	3		28	24	2		27	24	1		24	28	1		27	38			0	0			0	0
2		16	27	2		21	23	1		19	21			0	0			0	0			0	0			0	0
1		8	23	1		14	23			0	0			0	0			0	0			0	0			0	0
Recessio		0	22	Recessio		7	24	R		12	30	R		1	31	R		18	40	R		10	46	R		0	49
1		8	23	1		2	21			0	0			0	0			0	0			0	0			0	0
2		16	27	2		9	30	1		4	33			0	0			0	0			0	0			0	0
3		22	27	3		11	32	2		6	37	1		8	37	1		9	44			0	0			0	0
4		26	31	4		18	37	3		11	40	2		0	38	2		0	46	1		1	47			0	0
5		29	34	5		20	38	4		11	43	3		6	42	3		6	48	2		5	48	1		8	48
6		30	37	6		21	41	5		18	47	4		12	47	4		11	48	3		10	49	2		16	46
7		28	40	7		20	43	6		18	47	5		17	48	5		17	48	4		14	48	3		22	44
8	12	26	44	7	49	18	47	6	79	17	48	6		17	49	5	1	16	48	4		18	47	3	47	24	41
ho.	m.	m.	m.	ho.	m.	m.	m.	ho.	m.	m.	m.	ho.	m.	m.	m.	ho.	m.	m.	m.	ho.	m.	m.	m.	ho.	m.	m.	m.
Cancri		Longitudo	Latitudo	Leonis		Longitudo	Latitudo	Virginis		Longitudo	Latitudo	Libre		Longitudo	Latitudo	Scorpii		Longitudo	Latitudo	Sagittarii		Longitudo	Latitudo	Capricorni		Longitudo	Latitudo

ante meridiem

In

[illegible]

Admit'

Tabula latitudinis lune

Dies lune		Latitudo lune et 0 signa ascendens			Latitudo lune et 1 signum ascendens			Latitudo lune et 2 signa ascendens			Latitudo lune et 3 signa descendens			Latitudo lune et 4 signa descendens		Latitudo lune et 5 signa descendens		
g	g	g	m	s	g	m	s	g	m	s	g	m	s	g	m	g	m	s
1	29	0	5	13	2	33	24	4	22	22	4	59	18	4	17	2	25	17
2	28	0	10	27	2	38	52	4	24	51	4	59	10	4	14	2	20	40
3	27	0	15	40	2	44	57	4	21	14	4	59	35	4	11	2	16	2
4	26	0	20	53	2	47	34	4	29	34	4	59	11	4	8	2	11	22
5	25	0	26	7	2	51	57	4	31	49	4	58	51	4	5	2	6	40
6	24	0	31	19	2	57	10	4	33	19	4	58	21	4	2	2	1	56
7	23	0	36	31	3	0	21	4	36	4	4	57	41	3	59	1	57	8
8	22	0	41	42	3	4	29	4	38	4	4	57	4	3	56	1	52	17
9	21	0	46	52	3	8	35	4	40	0	4	56	17	3	53	1	47	23
10	20	0	52	1	3	12	39	4	41	52	4	55	25	3	49	1	42	24
11	19	0	57	4	3	16	39	4	42	38	4	54	28	3	46	1	37	29
12	18	1	2	16	3	20	35	4	45	18	4	53	25	3	42	1	32	31
13	17	1	7	23	3	24	26	4	46	52	4	52	17	3	39	1	27	33
14	16	1	12	30	3	28	5	4	48	20	4	51	3	3	35	1	22	35
15	15	1	17	36	3	32	0	4	49	44	4	49	43	3	32	1	17	3[illegible]
16	14	1	22	35	3	35	41	4	51	3	4	48	20	3	28	1	12	30
17	13	1	27	33	3	39	17	4	52	17	4	46	51	3	24	1	9	21
18	12	1	32	31	3	42	44	4	53	37	4	47	18	3	20	1	2	16
19	11	1	37	29	3	40	17	4	54	28	4	43	38	3	16	0	57	9
20	10	1	42	27	3	49	40	4	55	25	4	41	52	3	12	0	52	1
21	9	1	47	23	3	53	0	4	56	17	4	40	0	3	8	0	46	51
22	8	1	52	17	3	56	16	4	57	4	4	38	4	3	4	0	41	42
23	7	1	57	8	3	59	28	4	57	47	4	36	4	3	0	0	36	31
24	6	2	1	56	4	2	37	4	58	21	4	33	19	2	56	0	31	19
25	5	2	6	40	4	5	38	4	58	55	4	31	49	2	51	0	26	6
26	4	2	11	22	4	8	37	4	59	11	4	29	34	2	47	0	20	53
27	3	2	16	2	4	11	38	4	59	35	4	27	14	2	43	0	15	40
28	2	2	20	40	4	14	22	4	59	50	4	24	51	2	38	0	10	27
29	1	2	25	17	4	17	7	4	59	58	4	22	22	2	34	0	5	13
30	0	2	29	52	4	19	47	5	0	0	4	19	46	2	29	0	0	0
		11			10			9			8			7		6		

mid…

Tabula [illegible]

Tabula diversitatis aspectus lune ad solem

g	g	m		m	z	eclips	m	z
0	360	0		31	0	0	0	0
6	354	0		28	18	1	12	39
12	348	0		25	35	2	17	30
18	342	0		22	55	3	20	25
24	336	1		20	17	4	23	33
30	330	1		17	28	5	26	36
36	324	1		14	41	6	27	36
42	318	2		12	3	7	28	34
48	312	2		9	20	8	29	33
54	306	2		6	38	9	30	17
60	300	3		3	55	10	30	45
66	294	3		1	3	11	30	29
72	288	4		0	0	12	31	0
78	282	4						
84	276	5						
90	270	6						
96	264	6						
102	258	7						
108	252	8						
114	246	8						
120	240	9						
126	234	9						
132	228	10						
138	222	10						
144	216	11						
150	210	11						
156	204	11						
162	198	12						
168	192	12						
174	186	12						
180	180	12						

Tabula eclipsis solis longitudinis in opposicione

m	z			
34	0	0	0	0
31	18	1	11	16
28	35	2	18	25
25	53	3	22	2
23	10	4	24	50
20	20	5	27	9
17	47	6	29	0
15	3	7	30	30
12	20	8	31	56
9	38	9	32	37
6	55	10	33	56
4	13	11	33	44
1	30	12	33	48
0	0	13	34	0

Puncta eclipsis solis et lune

punctus		m		m
1	0	20	0	30
2	1	0	1	10
3	2	41	2	8
4	3	40	3	10
5	4	40	4	25
6	5	40	5	30
7	7	40	6	47
8	8	0	8	0
9	9	20	9	10
10	10	49	10	20
11	11	50	11	20
12	12	0	12	0

Tabula quantitatis lune eclipsis

pt	pt		punc	m
1	0	20	0	30
2	1	0	1	10
3	1	50	2	5
4	2	40	3	10
5	3	20	4	20
6	4	40	5	30
7	5	50	6	42
8	7	0	8	0
9	8	10	9	10
10	9	20	10	20
11	10	30	11	20
12	12	0	12	0

Tabula reflexionis in vocatis eclipse

puncta eclipsis	minuta casus solis et lune	minuta casus eclipsis	minuta morarum
0	40	9	0
1	67	72	0
2	59	65	0
3	49	59	0
4	42	54	0
5	37	50	0
6	31	46	0
7	26	43	0
8	21	39	0
9	16	36	0
10	11	32	0
11	6	29	0
12	2	26	90
13	0	23	64
14	0	21	22
15	0	19	43
16	0	17	36
17	0	12	34
18	0	10	22
19	0	9	16
20	0	4	10
21	0	2	4

Tabula eclipsis solis longitudinis lune [illegible]

dī	z	punc	dī	z

Tabula eclipsis solis ad longitudinem longiorem

porcio latitudinis septentrionalis g	m	g	m	puncta eclipsata p	m	mora casus m	2
6	37	173	33	0	0	0	0
6	30	173	30	0	11	5	30
6	0	174	0	1	5	13	7
5	30	174	30	1	55	11	10
5	0	175	0	2	57	19	10
4	30	175	30	3	37	20	41
4	0	176	0	4	29	24	41
3	30	176	30	5	21	26	7
3	0	177	0	6	13	27	21
2	30	177	30	7	6	28	39
2	0	178	0	7	59	29	28
1	30	178	30	8	48	30	7
1	0	179	0	9	29	30	37
0	30	179	30	10	32	30	41
0	0	180	0	10	47	30	55
359	30	180	30	11	32	30	51

Tabula eclipsis solis ad propinquiorem longitudinem

porcio latitudinis septentrionalis g	m	proporcio g	m	puncta eclipsata p	m	mora casus m	2
7	1	177	40	0	0	0	0
7	0	173	0	0	17	7	56
6	30	173	30	1	9	14	11
6	0	174	0	2	0	18	32
5	30	174	30	2	53	21	37
5	0	175	0	3	47	24	2
4	30	175	30	4	19	26	12
4	0	176	0	5	28	27	53
3	30	176	30	6	20	29	17
3	0	177	0	7	12	30	10
2	30	177	30	8	5	31	31
2	0	178	0	8	16	32	11
1	30	178	30	9	37	32	44
1	0	179	0	10	48	33	7
0	30	179	30	11	30	33	30
0	0	180	0	12	44	33	34

Tabula eclipsis solis ad longitudinem longiorem

Argumentum latitudinis lune meridianae g	m	g	m	puncta eclipsata p	m	mora casus m	2
359	30	180	30	11	32	30	51
359	0	181	0	9	29	30	27
358	30	181	30	8	28	30	7
358	0	182	0	7	27	29	28
357	30	182	30	6	26	28	39
357	0	183	0	6	13	27	21
356	30	183	30	5	21	26	7
356	0	184	0	4	29	24	41
355	30	184	30	3	37	22	4
355	0	185	0	2	47	20	10
354	30	185	30	1	57	17	15
354	0	186	0	1	5	13	7
353	30	186	30	0	11	5	30
353	0	187	0	0	0	0	0

Tabula eclipsis lune ad suam longitudinem longiorem

Latitudo lune g	m	Longitudo lune g	2	puncta eclipsata	m	minuta casus m	2	minuta more m	2
9	11	52	0	0	0	0	0	0	0
8	43	20	33	1	0	17	36	0	0
8	18	48	5	2	0	22	39	0	0
7	46	57	38	3	0	27	16	0	0
7	17	43	10	4	0	29	47	0	0
6	49	40	43	5	0	30	51	0	0
6	20	38	51	6	0	36	22	0	0
5	53	51	48	7	0	39	5	0	0
5	22	37	22	8	0	41	12	0	0
4	55	30	53	9	0	43	5	0	0
4	26	28	27	10	0	47	44	0	0
4	58	25	28	11	0	46	12	0	0
3	30	23	30	12	0	47	30	0	0
3	2	21	3	13	0	48	11	10	27
2	34	18	35	14	0	35	14	14	23
2	5	16	8	15	0	33	14	17	5
1	37	13	40	16	0	32	5	19	7
1	9	11	13	17	0	31	9	27	39
1	41	8	45	18	0	30	27	21	49
0	12	6	18	19	0	29	58	22	39
0	44	3	50	20	0	29	41	23	11
0	16	1	23	21	0	29	31	23	28
0	0	0	0	22	0	29	20	23	30

[illegible]

Tabula eclipsis solis ad longitudinem superiores — Tabula latitudinis in principio medio et fine in utraque eclipsi

Argumentum latitudinis mediane				Puncta eclipsis			Minuta casus	Argumenti latitudinis septentrionalis				Argumenti latitudinis meridionalis				Latitudo lune		
G	M	G	M	pu	m	m	2	s	g	s	g	s	g	s	g	g	m	2
359	30	180	30	11	29	33	39	0	0	6	0	12	0	6	0	0	0	0
359	0	181	0	10	38	33	41	0	1	5	29	11	29	6	1	0	5	13
358	30	181	30	9	47	32	41	0	2	5	28	11	28	6	2	0	10	27
358	0	182	0	8	56	32	41	0	3	5	27	11	27	6	3	0	15	40
357	30	182	30	8	7	31	31	0	4	5	26	11	26	6	4	0	20	53
357	0	183	0	7	12	30	19	0	5	5	25	11	25	6	5	0	26	7
356	30	183	30	6	20	29	17	0	6	5	24	11	24	6	6	0	31	13
356	0	184	0	5	28	27	13	0	7	5	23	11	23	6	7	0	36	31
355	30	184	30	4	35	26	12	0	8	5	22	11	22	6	8	0	41	40
355	0	185	0	3	43	24	2	0	9	5	21	11	21	6	9	0	46	52
354	30	185	30	2	53	21	17	0	10	5	20	11	20	6	10	0	52	1
354	0	186	0	2	0	18	32	0	11	5	19	11	19	6	11	0	57	9
353	30	186	30	1	9	14	16	0	12	5	18	11	18	6	12	1	2	16
353	0	187	0	0	17	7	16	0	13	5	17	11	17	6	13	1	7	23
352	30	187	30	0	0	0	0	0	[illegible]			11						

Tabula eclipsis lune ad pun[cta] longitudinis problem

Loca lune		Latitudo lune		Puncta eclipsis	Minuta casus			Minuta casus	Minuta more
G	M	M	2	pu	M	M	2		
12	21	63	36	0	0	0	0	0	0
11	41	60	39	1	0	19	4	0	0
11	7	57	43	2	0	25	0	0	0
10	33	54	46	3	0	22	37	0	0
9	48	51	49	4	0	36	53	0	0
9	24	48	56	5	0	40	42	0	0
8	44	45	29	6	0	43	52	0	0
8	11	42	3	7	0	47	13	0	0
7	41	40	6	8	0	44	27	0	0
7	7	35	9	9	0	54	40	0	0
6	33	38	13	10	0	53	29	0	0
5	57	32	16	11	0	51	27	0	0
5	22	28	19	12	0	56	29	0	0
4	51	27	23	13	0	51	47	12	37
4	17	22	26	14	0	42	41	17	16
3	53	19	29	15	0	40	2	20	32
3	9	16	33	16	0	38	27	22	38
2	36	13	36	17	0	37	20	24	18
2	2	10	40	18	0	36	37	26	2
1	28	7	40	19	0	34	36	27	12
0	24	4	43	20	0	31	31	27	52
0	20	1	46	21	0	31	23	28	13
0	0	0	0	22	0	31	20	28	16

Tabla eclipsis lunaris ad longitudinem longiorem

Argumentum latitudinis septentrionalis G	M	G	M	puncta eclipsis p	M	minuta casus M	2a	minuta more M	2a
11	0	169	0	0	0	0	0	0	0
10	30	169	30	0	40	12	10	0	0
10	0	170	0	1	40	29	30	0	0
9	30	170	30	2	40	24	32	0	0
9	0	171	31	3	32	28	7	0	0
8	30	171	30	4	31	31	13	0	0
8	0	172	0	5	30	34	10	0	0
7	30	172	30	6	27	36	27	0	0
7	0	173	0	7	23	38	42	0	0
6	30	173	30	8	21	40	28	0	0
6	0	174	0	9	20	43	11	0	0
5	30	174	30	10	17	44	36	0	0
5	0	175	0	11	14	42	52	0	0
4	30	175	30	12	11	46	4	0	0
4	0	176	3	13	9	34	42	10	[illegible]
3	30	176	30	14	7	36	1	13	44
3	0	177	0	15	4	31	44	17	48
2	30	177	30	16	2	30	38	17	40
2	0	178	0	17	0	30	31	19	14
1	30	178	30	17	7	29	3	20	12
1	0	179	0	18	5	24	52	20	52
0	30	179	30	19	50	29	19	21	16
0	0	180	0	20	46	29	16	21	12

Tabla eclipsis lunaris ad longitudinem propinquiorem

Argumentum latitudinis septentrionalis G	M	G	M	puncta eclipsis p	M	minuta casus M	2a	minuta more M	2a
13	0	167	0	0	26	22	27	0	0
12	30	167	30	1	13	20	52	0	0
12	0	168	0	2	2	26	7	0	0
11	30	168	30	2	50	34	23	0	0
11	0	169	0	3	36	34	27	0	0
10	30	169	30	4	44 (34)	37	0	0	0
10	0	170	0	5	29	41	20	0	0
9	30	170	30	6	10	43	26	0	0
9	0	171	0	6	54	42	21	0	0
8	30	172	30	7	41	49	27	0	0
8	0	172	30	8	31	49	28	0	0
10	30	172	30	9	26	11	6	0	0
10	0	173	0	10	11	52	29	0	0
6	30	173	30	10	54	54	9	0	0
6	0	174	0	11	43	55	27	0	0
5	30	174	30	12	55	47	14	9	7
5	0	175	0	13	27	43	33	14	9
4	30	175	30	14	27	40	54	11	27
4	0	176	0	15	0	39	4	19	27
3	30	176	30	15	50	37	50	21	7
3	0	177	0	16	38	36	51	23	32
2	30	177	30	17	27	36	7	24	49
2	0	178	0	18	33	33	31	23	49
1	30	178	30	19	5	33	5	26	32
1	0	179	0	20	54	34	44	27	16
0	30	179	30	21	43	34	40	27	16
0	0	180	0	21	31	34	37	27	27

Tabla possibilitatis eclipsis solis et lune cum argumento latitudinis lune

Meridionalis	0	0	5	49	50	51	52	53	54	55	56	57	58	59	60	
Sept. Sol.			0	1	2	3	4	5	6	7	8	9	10	11	12	luna in capite draconis minuta augenda a
Sept. Sol.			2	49	50	51	52	53	54	55	56	57	58	59	60	luna in capite draconis minuta addenda sol
Meridionalis	0	0	3	1	2	3	4	5	6	7	8	9	10	11	12	luna in cauda draconis addenda augenda a
																luna in cauda draconis addenda a sol

mi^d / a^d

Tabula eclipsis lunaris ad longitudinem Lancastrie

Argumentum latitudinis septentrionalis				puncta eclipsis		minuta casus		minuta more	
G.	m	G.	m	pu	m	m	2	m	2
360	0	180	0	20	46	29	46	21	22
359	30	180	30	19	50	29	19	21	16
359	0	180	0	18	53	29	52	20	52
358	30	181	30	17	57	30	5	20	12
358	0	182	0	17	0	30	31	19	14
357	30	182	30	16	2	31	58	18	38
357	0	183	0	15	5	32	44	17	48
356	30	183	30	14	7	34	1	13	47
356	0	184	0	13	9	36	44	10	22
355	30	184	30	12	11	42	4	0	0
355	0	185	0	11	14	44	52	0	0
354	30	185	30	10	16	43	36	0	0
354	0	186	0	9	20	42	11	0	0
353	30	186	30	8	21	40	28	0	0
353	0	187	0	7	23	38	42	0	0
352	30	187	30	6	22	36	27	0	0
352	0	188	0	5	30	34	10	0	0
351	30	188	30	4	33	31	15	0	0
351	0	189	0	3	35	28	7	0	0
350	30	189	30	2	40	24	52	0	0
350	0	190	0	1	40	19	30	0	0
349	30	190	30	0	40	12	10	0	0
349	0	191	0	0	0	0	0	0	0

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Tabula eclipsis lunaris ad longitudinem predictam

Argumentum latitudinis meridionalis				puncta eclipsis		minuta casus		minuta more	
G.	m	G.	m	pu	m	m	2	m	2
360	0	180	0	21	51	34	22	27	27
359	30	180	30	20	43	34	40	27	16
359	0	181	0	19	54	34	44	27	2
358	30	181	30	19	5	35	5	26	32
358	0	182	0	18	15	35	31	25	47
357	30	182	30	17	[illegible]	36	0	24	49
357	0	183	0	16	38	36	51	23	32
356	30	183	30	15	50	37	50	21	57
356	0	184	0	15	0	39	9	19	57
355	30	184	30	14	22	40	34	17	25
355	0	185	0	13	27	43	53	14	9
354	30	185	30	12	22	47	44	9	7
354	0	186	0	11	43	45	20	0	0
353	30	186	30	10	44	54	9	0	0
353	0	187	0	10	11	52	44	0	0
352	30	187	30	9	26	51	6	0	0
352	0	188	0	8	31	49	28	0	0
351	30	188	30	7	41	47	27	0	0
351	0	189	0	6	44	45	21	0	0
350	30	189	30	6	10	43	26	0	0
350	0	190	0	5	11	41	27	0	0
349	30	190	30	4	38	37	0	0	0
349	0	191	0	3	36	34	27	0	0
348	30	191	30	2	50	30	22	0	0
348	0	192	0	2	2	26	7	0	0
347	30	192	30	1	13	27	52	0	0
347	0	193	0	0	26	12	22	0	0

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Tabula ascensionum signorum in circulo recto

g	Cap ascensio g	m	Aquarius ascensio g	m	Pisces ascensio g	m	Aries ascensio g	m	Taurus ascensio g	m	Gemini ascensio g	m	Cancer ascensio g	m	Leo ascensio g	m	Virgo ascensio g	m	Libra ascensio g	m	Scorpio ascensio g	m	Sagittarius ascensio g	m
1	1	6	33	13	63	4	90	55	118	50	148	50	181	6	213	13	243	4	270	55	298	50	328	50
2	2	11	34	17	64	1	91	50	119	48	149	53	182	11	214	16	244	1	271	50	299	48	329	53
3	3	16	35	19	64	58	92	45	120	46	150	56	183	17	215	19	244	58	272	45	300	46	330	56
4	4	22	36	21	65	55	93	40	121	44	151	59	184	22	216	22	245	55	273	40	301	44	331	59
5	5	27	37	23	66	52	94	35	122	42	153	2	185	28	217	23	246	52	274	35	302	42	333	2
6	6	33	38	24	67	48	95	30	123	40	154	5	186	33	218	24	247	48	275	30	303	40	334	5
7	7	38	39	26	68	45	96	25	124	38	155	9	187	38	219	26	248	45	276	25	304	38	335	9
8	8	43	40	27	69	41	97	20	125	36	156	13	188	43	220	27	249	41	277	20	305	36	336	13
9	9	48	41	28	70	37	98	16	126	35	157	17	189	48	221	28	250	37	278	16	306	35	337	16
10	10	53	42	29	71	33	99	11	127	34	158	21	190	53	222	29	251	33	279	11	307	34	338	21
11	11	58	43	29	72	29	100	6	128	33	159	24	191	58	223	29	252	29	280	6	308	33	339	24
12	13	3	44	30	73	27	101	1	129	32	160	29	193	3	224	29	253	27	281	0	309	32	340	29
13	14	8	45	30	74	21	101	57	130	31	161	33	194	8	225	30	254	21	281	57	310	31	341	33
14	15	13	46	30	75	17	102	52	131	30	162	37	195	13	226	30	255	16	282	52	311	30	342	37
15	16	18	47	30	76	12	103	48	132	30	163	42	196	18	227	30	256	12	283	48	312	30	343	42
16	17	23	48	30	77	8	104	43	133	30	164	47	197	23	228	30	257	8	284	43	313	30	344	47
17	18	27	49	29	78	3	105	39	134	30	165	52	198	27	229	29	258	3	285	39	314	30	345	52
18	19	31	50	28	78	59	106	35	135	30	166	57	199	31	230	28	258	59	286	35	315	30	346	57
19	20	35	51	27	79	54	107	31	136	31	168	2	200	35	231	27	259	54	287	31	316	31	348	2
20	21	39	52	26	80	49	108	27	137	31	169	7	201	39	232	26	260	49	288	27	317	31	349	7
21	22	43	53	24	81	44	109	23	138	32	170	12	202	43	233	25	261	44	289	23	318	32	350	12
22	23	47	54	24	82	40	110	19	139	33	171	17	203	47	234	24	262	40	290	19	319	33	351	17
23	24	51	55	22	83	35	111	15	140	34	172	22	204	51	235	22	263	35	291	15	320	34	352	22
24	25	55	56	20	84	30	112	12	141	36	173	28	205	55	236	20	264	30	292	12	321	36	353	27
25	26	58	57	18	85	25	113	8	142	38	174	33	206	58	237	18	265	25	293	8	322	38	354	32
26	28	1	58	17	86	20	114	5	143	39	175	38	208	1	238	16	266	20	294	4	323	39	355	38
27	29	4	59	14	87	15	115	2	144	41	176	43	209	4	239	14	267	17	295	2	324	41	356	43
28	30	7	60	12	88	10	115	59	145	43	177	49	210	7	240	12	268	10	295	59	325	43	357	49
29	31	10	61	10	89	5	116	56	146	45	178	54	211	10	241	10	269	7	296	56	326	45	358	54
30	32	13	62	7	90	0	117	54	147	48	180	0	212	13	242	7	270	0	297	54	327	48	360	0

Ascensiones [illegible] septimi climatis cuius latitudo est 50 graduum [illegible]

Gradus signi	Arietis ascensiones g	m	pars hore g	m	Tauri ascensiones g	m	pars hore g	m	Geminorum ascensiones g	m	pars hore g	m	Cancri ascensiones g	m	pars hore g	m	Leonis ascensiones g	m	pars hore g	m	Virginis ascensiones g	m	pars hore g	m
1	0	26	15	5	14	16	17	26	32	47	19	22	59	50	20	13	97	50	19	15	139	24	17	16
2	0	52	15	10	14	44	17	30	33	29	19	27	61	0	20	12	99	12	19	11	140	48	17	12
3	1	18	15	15	15	19	17	34	34	13	19	28	62	10	20	12	100	34	19	8	142	12	17	7
4	1	44	15	20	15	51	17	38	34	57	19	31	63	20	20	12	101	56	19	4	143	36	17	3
5	2	10	15	24	16	23	17	42	35	41	19	34	64	30	20	11	103	18	19	1	145	0	16	58
6	2	36	15	29	16	55	17	47	36	25	19	37	65	40	20	10	104	40	18	57	146	24	16	54
7	3	4	15	34	17	28	17	51	37	10	19	40	66	50	20	9	106	2	18	54	147	48	16	50
8	3	31	15	39	18	1	17	55	37	55	19	43	68	1	20	8	107	24	18	50	149	12	16	45
9	3	58	15	44	18	34	17	59	38	40	19	46	69	12	20	7	108	47	18	47	150	36	16	41
10	4	25	15	48	19	8	18	4	39	36	19	49	70	23	20	6	110	10	18	43	152	0	16	37
11	4	52	15	53	19	48	18	8	40	31	19	51	71	35	20	5	111	33	18	40	153	24	16	30
12	5	1	15	58	20	23	18	12	41	1	19	53	72	47	20	3	112	56	18	36	154	48	16	26
13	5	47	16	2	20	58	18	16	41	50	19	54	73	59	20	1	114	19	18	32	156	12	16	21
14	6	13	16	7	21	33	18	20	42	41	19	56	75	11	19	59	115	41	18	28	157	36	16	16
15	6	43	16	12	22	9	18	24	43	34	19	58	76	23	19	58	116	5	18	24	159	0	16	12
16	7	2	16	16	22	47	18	28	44	28	19	59	77	38	19	56	118	28	18	20	160	24	16	7
17	7	39	16	21	23	21	18	32	45	24	20	1	78	54	19	54	119	51	18	16	161	48	16	2
18	8	7	16	26	23	54	18	36	46	22	20	3	80	10	19	53	121	14	18	12	163	12	15	58
19	8	35	16	30	24	34	18	40	47	21	20	5	81	24	19	51	122	37	18	8	164	36	15	53
20	9	3	16	35	25	5	18	43	48	21	20	6	82	48	19	49	124	0	18	4	166	0	15	48
21	9	31	16	40	25	44	18	47	49	22	20	7	84	19	19	46	125	24	17	59	167	24	15	44
22	9	59	16	45	26	28	18	50	50	23	20	8	85	32	19	43	126	48	17	55	168	48	15	39
23	10	27	16	49	27	8	18	54	51	24	20	9	86	44	19	40	128	12	17	51	170	12	15	34
24	10	55	16	54	27	49	18	57	52	26	20	10	88	16	19	37	129	36	17	44	171	36	15	29
25	11	23	16	58	28	29	19	1	53	28	20	11	89	38	19	34	131	0	17	40	173	0	15	24
26	11	51	17	3	29	10	19	4	54	30	20	12	91	0	19	31	132	24	17	38	174	24	15	20
27	12	19	17	7	29	52	19	8	55	32	20	12	92	22	19	28	133	48	17	34	175	48	15	18
28	12	28	17	12	30	35	19	12	56	34	20	12	93	44	19	25	135	12	17	30	177	12	15	10
29	13	17	17	16	31	18	19	15	57	36	20	13	95	6	19	22	136	36	17	26	178	36	15	5
30	13	46	17	21	32	2	19	18	58	39	20	13	96	28	19	18	138	0	17	21	180	0	15	0

[illegible]

Residuum tabule precedentis

Dies	Libra				Scorpio				Sagittarius				Capricornus				Aquarius				Pisces			
	Ascen. signorum		Partes horarum		Ascen. signorum		Partes horarum		Ascen. partes		Partes horarum		Ascen. partes		Partes horarum		Ascen. partes		Partes horarum		Ascen. signorum		Partes horarum	
	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M
1	181	24	14	55	223	24	12	34	264	54	10	38	302	22	9	48	328	45	10	45	346	42	12	44
2	182	48	14	50	224	48	12	30	266	16	10	35	303	25	9	48	329	25	10	49	347	12	12	48
3	184	12	14	[illegible]	226	12	12	26	267	38	10	32	304	27	9	48	[illegible]	8	10	52	347	41	12	53
4	185	36	14	40	227	36	12	22	269	0	10	29	305	29	9	48	330	50	10	56	348	9	12	57
5	187	0	14	35	229	0	12	18	270	22	10	26	306	31	9	49	331	31	10	59	348	37	13	1
6	188	24	14	30	230	24	12	13	271	44	10	23	307	33	9	50	332	11	11	3	349	5	13	6
7	189	48	14	25	231	48	12	9	273	6	10	20	308	35	9	51	332	52	11	6	349	33	13	11
8	191	12	14	24	233	12	12	5	274	28	10	17	309	36	9	52	333	32	11	10	350	1	13	17
9	192	36	14	15	234	36	12	1	275	50	10	14	310	37	9	53	334	11	11	13	350	29	13	20
10	194	0	14	12	236	0	11	57	277	12	10	11	311	38	9	54	334	49	11	17	350	57	13	25
11	195	24	14	7	237	23	11	52	278	32	10	9	312	38	9	55	335	26	11	20	351	25	13	30
12	196	48	14	2	238	46	11	48	279	50	10	7	313	37	9	57	336	3	11	24	351	53	13	34
13	198	12	13	[illegible]	240	1	11	44	281	6	10	6	314	35	9	59	336	39	11	28	352	21	13	39
14	199	36	13	53	241	32	11	40	282	22	10	4	315	31	10	1	337	15	11	32	352	49	13	44
15	201	0	13	[illegible]	242	55	11	36	283	37	10	2	316	26	10	2	337	51	11	36	353	17	13	48
16	202	24	13	44	244	19	11	32	284	49	10	1	317	18	10	4	338	27	11	40	353	45	13	53
17	203	48	13	39	245	41	11	28	286	1	9	59	318	10	10	6	339	32	11	44	354	13	13	58
18	205	12	13	34	247	4	11	24	287	13	9	57	318	15	10	7	339	37	11	48	354	41	14	2
19	206	36	13	30	248	27	11	20	288	25	9	55	319	47	10	9	340	12	11	53	355	8	14	7
20	208	0	13	25	249	50	11	17	289	37	9	54	320	34	10	11	340	55	11	56	355	37	14	12
21	209	24	13	20	251	13	11	13	290	48	9	53	321	20	10	14	341	26	12	1	356	2	14	16
22	210	48	13	15	252	30	11	10	291	59	9	52	322	5	10	17	341	59	12	5	356	29	14	21
23	212	12	13	10	253	58	11	6	293	10	9	51	322	35	10	20	342	32	12	9	356	50	14	26
24	213	36	13	6	255	20	11	3	294	20	9	50	323	19	10	23	343	5	12	13	357	23	14	31
25	215	0	13	[illegible]	256	42	10	59	295	30	9	49	324	3	10	26	343	37	12	17	357	50	14	36
26	216	24	12	[illegible]	257	4	10	56	296	40	9	48	324	47	10	29	344	9	12	22	358	16	14	40
27	217	48	12	53	258	26	10	52	297	50	9	48	325	27	10	32	344	41	12	26	358	22	14	45
28	219	12	12	[illegible]	260	48	10	48	299	0	9	48	326	10	10	35	345	13	12	30	359	8	14	50
29	220	36	12	44	262	10	10	45	300	10	9	48	326	30	10	38	345	44	12	34	359	44	14	55
30	222	0	12	31	263	32	10	42	301	19	9	47	327	0	10	42	346	14	12	39	360	0	15	0

Cap[ricornus] Aquarius Januarius

Ingr[essus] ☉ in

	hor	m
dies	11	22
202	48	97
g	m	2a

Eclipsis ...

Declinatio G	solis M	Eq. dierum hor	M	Dies mensis	Littere dominicales	Dies anni	Motus Solis S	G	M	2a	Motus Lune S	G	M	2a	Centrum Lune S	G	M	Argumentum Lune S	G	M	Motus Saturni S	G	M	2a	Argumentum Saturni S	G	M
22	6	7	42	1	a	1	0	0	59	8	0	13	10	37	0	24	23	0	13	4	0	0	2	1	0	0	57
21	59	7	44	2	b	2	0	1	58	17	0	26	21	10	1	18	46	0	26	8	0	0	4	1	0	1	54
21	48	7	46	3	c	3	0	2	57	25	1	9	31	47	2	13	9	1	9	12	0	0	6	2	0	2	51
21	40	7	48	4	d	4	0	3	56	33	1	22	42	20	3	7	32	1	22	16	0	0	8	2	0	3	49
21	30	7	50	5	e	5	0	4	55	42	2	5	52	55	4	1	55	2	5	19	0	0	10	3	0	4	46
21	20	7	52	6	f	6	0	5	54	50	2	19	3	30	4	26	17	2	18	23	0	0	12	4	0	5	43
21	10	7	54	7	g	7	0	6	53	58	3	2	14	5	5	20	40	3	1	27	0	0	14	4	0	6	40
20	58	7	57	8	a	8	0	7	53	7	3	15	24	40	6	15	3	3	14	31	0	0	16	5	0	7	37
20	48	8	0	9	b	9	0	8	52	15	3	28	35	15	7	9	26	3	27	35	0	0	18	5	0	8	34
20	35	8	2	10	c	10	0	9	51	24	4	11	47	50	8	3	49	4	10	39	0	0	20	6	0	9	31
20	20	8	4	11	d	11	0	10	50	32	4	24	56	21	8	28	12	4	23	43	0	0	22	6	0	10	28
20	5	8	6	12	e	12	0	11	49	40	5	8	7	0	9	22	35	5	6	47	0	0	24	7	0	11	26
20	0	8	8	13	f	13	0	12	48	48	5	21	17	35	10	16	58	5	19	51	0	0	26	8	0	12	23
19	40	8	10	14	g	14	0	13	47	57	6	4	28	10	11	11	20	6	2	55	0	0	28	8	0	13	20
19	30	8	12	15	a	15	0	14	47	7	6	17	38	47	0	7	43	6	15	58	0	0	30	9	0	14	17
19	9	8	14	16	b	16	0	15	46	13	7	0	49	20	1	0	6	6	29	2	0	0	32	9	0	15	14
19	0	8	16	17	c	17	0	16	45	22	7	13	59	53	1	24	29	7	12	6	0	0	34	10	0	16	11
18	48	8	18	18	d	18	0	17	44	30	7	27	10	30	2	18	52	7	25	10	0	0	36	11	0	17	8
18	30	8	20	19	e	19	0	18	43	38	8	10	21	3	3	13	15	8	8	14	0	0	38	11	0	18	5
18	18	8	22	20	f	20	0	19	42	47	8	23	31	40	4	7	38	8	21	18	0	0	40	12	0	19	3
18	0	8	24	21	g	21	0	20	41	55	9	6	42	13	5	2	1	9	4	22	0	0	42	13	0	20	0
17	40	8	28	22	a	22	0	21	41	3	9	19	52	50	5	26	24	9	17	26	0	0	44	13	0	20	57
17	10	8	32	23	b	23	0	22	40	12	10	3	3	51	6	20	46	10	0	30	0	0	46	14	0	21	54
17	5	8	36	24	c	24	0	23	39	20	10	16	14	1	7	15	9	10	13	34	0	0	48	14	0	22	51
16	48	8	40	25	d	25	0	24	38	28	10	29	24	36	8	9	32	10	26	37	0	0	50	15	0	23	48
16	32	8	44	26	e	26	0	25	37	37	11	12	35	11	9	3	55	11	9	41	0	0	52	15	0	24	45
16	14	8	48	27	f	27	0	26	36	45	11	25	45	46	9	28	18	11	22	45	0	0	54	15	0	25	42
15	58	8	52	28	g	28	0	27	35	53	0	8	56	21	10	22	41	0	5	49	0	0	56	16	0	26	40
15	47	8	56	29	a	29	0	28	35	1	0	22	6	56	11	17	4	0	18	53	0	0	58	17	0	27	37
15	27	9	0	30	b	30	0	29	34	10	1	5	17	31	0	11	27	1	1	57	0	1	0	18	0	28	34
15	0	9	4	31	c	31	1	0	33	18	1	18	28	6	1	5	50	1	15	1	0	1	2	18	0	29	31

Hor[e] noct[is] 16. m[inuta] 8.

Annus Januarius

Dies mensis	Motus Jovis				Ar^ti Jovis			Motus Martis				Argu^ti Martis			Argu^ti Veneris			Argu^ti Mercurii			Motus Capitis draconis			
	S	g	m	2a	S	g	m	S	g	m	2a	S	g	m	S	g	m	S	g	m	S	g	m	2a
1	0	0	4	59	0	0	54	0	0	31	27	0	0	28	0	0	37	0	3	6	0	0	3	11
2	0	0	9	59	0	1	48	0	1	2	53	0	0	55	0	1	14	0	6	13	0	0	6	21
3	0	0	14	58	0	2	42	0	1	34	20	0	1	23	0	1	51	0	9	19	0	0	9	32
4	0	0	19	57	0	3	37	0	2	5	47	0	1	51	0	2	28	0	12	26	0	0	12	43
5	0	0	24	56	0	4	31	0	2	37	13	0	2	18	0	3	5	0	15	32	0	0	15	53
6	0	0	29	56	0	5	25	0	3	8	40	0	2	46	0	3	42	0	18	38	0	0	19	4
7	0	0	34	55	0	6	19	0	3	40	7	0	3	14	0	4	19	0	21	45	0	0	22	14
8	0	0	39	54	0	7	13	0	4	11	33	0	3	42	0	4	56	0	24	51	0	0	25	25
9	0	0	44	53	0	8	7	0	4	43	0	0	4	9	0	5	33	0	27	58	0	0	28	36
10	0	0	49	53	0	9	2	0	5	14	26	0	4	37	0	6	10	1	1	4	0	0	31	46
11	0	0	54	52	0	9	56	0	5	45	53	0	5	5	0	6	47	1	4	10	0	0	34	57
12	0	0	59	51	0	10	50	0	6	17	20	0	5	32	0	7	24	1	7	17	0	0	38	8
13	0	1	4	50	0	11	44	0	6	48	46	0	6	0	0	8	1	1	10	23	0	0	41	18
14	0	1	9	50	0	12	38	0	7	20	13	0	6	28	0	8	38	1	13	30	0	0	44	29
15	0	1	14	49	0	13	32	0	7	51	40	0	6	55	0	9	15	1	16	36	0	0	47	40
16	0	1	19	48	0	14	26	0	8	23	6	0	7	23	0	9	52	1	19	42	0	0	50	50
17	0	1	24	47	0	15	21	0	8	54	33	0	7	51	0	10	29	1	22	49	0	0	54	1
18	0	1	29	47	0	16	15	0	9	26	0	0	8	19	0	11	6	1	25	55	0	0	57	11
19	0	1	34	46	0	17	9	0	9	57	26	0	8	46	0	11	43	1	29	2	0	1	0	22
20	0	1	39	45	0	18	3	0	10	28	53	0	9	14	0	12	20	2	2	8	0	1	3	33
21	0	1	44	44	0	18	57	0	11	0	20	0	9	42	0	12	57	2	5	14	0	1	6	43
22	0	1	49	44	0	19	51	0	11	31	46	0	10	9	0	13	34	2	8	21	0	1	9	54
33	0	1	54	43	0	20	45	0	12	3	13	0	10	37	0	14	11	2	11	27	0	1	13	5
24	0	1	59	42	0	21	40	0	12	34	39	0	11	5	0	14	48	2	14	34	0	1	16	15
25	0	2	4	41	0	22	34	0	13	6	6	0	11	32	0	15	25	2	17	40	0	1	19	26
26	0	2	9	41	0	23	28	0	13	37	33	0	12	0	0	16	2	2	20	46	0	1	22	37
27	0	2	14	40	0	24	22	0	14	8	59	0	12	28	0	16	39	2	23	53	0	1	25	47
28	0	2	19	39	0	25	16	0	14	40	26	0	12	55	0	17	16	2	26	59	0	1	28	58
29	0	2	24	38	0	26	10	0	15	11	53	0	13	23	0	17	53	3	0	6	0	1	32	8
30	0	2	29	38	0	27	5	0	15	43	19	0	13	51	0	18	30	3	3	12	0	1	35	19
31	0	2	34	37	0	27	59	0	16	14	46	0	14	19	0	19	7	3	6	18	0	1	38	30

Pisces Bri

Februarius

Declinatio Solis		Hore diurnales		Dies mensis	Littere dominicales	Dies anni	Motus Solis				Motus Lune				Centrum Lune			Argumentum Lune			Motus Saturni				Argumentum Saturni		
G	M	H	M				S	G	M	2a	S	G	M	2a	S	G	M	S	G	M	S	G	M	2a	S	G	M
14	38	9	8	1	d	32	1	1	32	26	2	1	38	41	2	0	12	1	28	5	0	1	4	19	1	0	28
14	20	9	12	2	e	33	1	2	31	35	2	14	49	16	2	24	35	2	11	9	0	1	6	19	1	1	25
14	0	9	16	3	f	34	1	3	30	43	2	27	59	51	3	18	58	2	24	13	0	1	8	20	1	2	22
13	30	9	20	4	g	35	1	4	29	51	3	11	10	26	4	13	21	3	7	16	0	1	10	21	1	3	19
13	16	9	24	5	A	36	1	5	29	0	3	24	21	1	5	7	44	3	20	20	0	1	12	21	1	4	17
13	0	9	28	6	b	37	1	6	28	8	4	7	31	36	6	2	7	4	3	24	0	1	14	22	1	5	14
12	41	9	32	7	c	38	1	7	27	16	4	20	42	11	6	26	30	4	16	28	0	1	16	22	1	6	11
12	38	9	36	8	d	39	1	8	26	25	5	3	52	46	7	20	53	4	29	32	0	1	18	23	1	7	8
11	59	9	40	9	e	40	1	9	25	33	5	17	3	21	8	15	16	5	12	36	0	1	20	24	1	8	5
11	36	9	44	10	f	41	1	10	24	41	6	0	13	56	9	9	38	5	25	40	0	1	22	24	1	9	2
11	50	9	48	11	g	42	1	11	23	50	6	13	24	31	10	4	1	6	8	44	0	1	24	25	1	9	59
10	48	9	52	12	A	43	1	12	23	58	6	26	35	6	10	28	24	6	21	48	0	1	26	25	1	10	57
10	25	9	56	13	b	44	1	13	22	6	7	9	47	41	11	22	47	7	4	52	0	1	28	26	1	11	54
10	10	10	0	14	c	45	1	14	21	15	7	22	58	16	0	17	10	7	17	56	0	1	30	26	1	12	51
9	50	10	4	15	d	46	1	15	20	16	8	6	8	51	1	11	35	8	0	59	0	1	32	27	1	13	48
9	[illegible]	10	0	16	e	47	1	16	19	31	8	19	19	26	2	5	56	8	14	3	0	1	34	28	1	14	45
9	6	10	15	17	f	48	1	17	18	40	9	2	28	1	3	0	19	8	27	7	0	1	36	28	1	15	42
8	26	10	20	18	g	49	1	18	17	48	9	15	38	36	3	24	42	9	10	11	0	1	38	29	1	16	39
8	[illegible]	10	24	19	A	50	1	19	16	56	9	28	49	11	4	19	4	9	23	15	0	1	40	29	1	17	36
8	10	10	28	20	b	51	1	20	16	5	10	11	59	46	5	13	27	10	6	19	0	1	42	30	1	18	34
7	37	10	32	21	c	52	1	21	17	13	10	25	10	21	6	7	50	10	19	23	0	1	44	31	1	19	31
7	18	10	36	22	d	53	1	22	14	21	11	8	20	56	7	2	13	11	2	27	0	1	46	31	1	20	28
6	57	10	40	23	e	54	1	23	13	30	11	21	31	31	7	26	36	11	15	31	0	1	48	32	1	21	25
6	20	10	44	24	f	55	1	24	12	38	0	4	42	6	8	20	59	11	28	34	0	1	50	32	1	22	22
6	0	10	48	25	g	56	1	25	11	46	0	17	53	41	9	15	22	0	11	38	0	1	52	33	1	23	19
5	40	10	52	26	A	57	1	26	10	55	1	1	3	16	10	9	47	0	24	42	0	1	54	34	1	24	16
5	20	10	56	27	b	58	1	27	10	3	1	14	13	51	11	4	8	1	7	46	0	1	56	34	1	25	13
4	59	11	0	28	c	59	1	28	9	11	1	27	24	26	11	28	30	1	20	50	0	1	58	35	1	26	11

Pisces hor m

Pis	2	33

27 10
G M

Hor noctis 14 di 10

Pisces

Februarius

Dies mensis	Motus Jovis				Argumentum Jovis			Motus Martis				Argumentum Martis			Argumentum Veneris			Argumentum Mercurii			Motus capitis draconis			
	S	G	M	2a	S	G	M	S	G	M	2a	S	G	M	S	G	M	S	G	M	S	G	M	2a
1	0	2	39	36	0	28	53	0	16	46	13	0	14	46	0	19	44	3	9	27	0	1	41	40
2	0	2	44	35	0	29	47	0	17	17	39	0	15	14	0	20	21	3	12	31	0	1	44	51
3	0	2	49	34	1	0	41	0	17	49	6	0	15	43	0	20	58	3	15	38	0	1	48	2
4	0	2	54	34	1	1	35	0	18	20	33	0	16	9	0	21	35	3	18	44	0	1	51	12
5	0	2	59	33	1	2	29	0	18	51	55	0	16	37	0	22	12	3	21	50	0	1	54	23
6	0	3	4	33	1	3	24	0	19	23	26	0	17	5	0	22	49	3	24	57	0	1	57	34
7	0	3	9	32	1	4	18	0	19	54	52	0	17	32	0	23	26	3	28	3	0	2	0	44
8	0	3	14	31	1	5	12	0	20	26	19	0	18	0	0	24	3	4	1	10	0	2	3	55
9	0	3	19	30	1	6	6	0	20	57	46	0	18	28	0	24	40	4	4	16	0	2	7	5
10	0	3	24	30	1	7	0	0	21	29	13	0	18	55	0	25	17	4	7	22	0	2	10	16
11	0	3	29	29	1	7	54	0	22	0	39	0	19	23	0	25	54	4	10	29	0	2	13	27
12	0	3	34	28	1	8	48	0	22	32	6	0	19	51	0	26	31	4	13	35	0	2	16	37
13	0	3	39	27	1	9	43	0	23	3	32	0	20	19	0	27	8	4	16	42	0	2	19	48
14	0	3	44	27	1	10	37	0	23	34	59	0	20	46	0	27	45	4	19	48	0	2	22	59
15	0	3	49	26	1	11	31	0	24	6	26	0	21	14	0	28	22	4	22	54	0	2	26	9
16	0	3	54	25	1	12	25	0	24	37	52	0	21	43	0	28	59	4	26	1	0	2	29	20
17	0	3	59	24	1	13	19	0	25	9	19	0	22	9	0	29	36	4	29	7	0	2	32	30
18	0	4	4	24	1	14	13	0	25	40	46	0	22	37	1	0	13	5	2	14	0	2	35	41
19	0	4	9	23	1	15	8	0	26	12	12	0	23	5	1	0	50	5	5	20	0	2	38	52
20	0	4	14	22	1	16	2	0	26	43	39	0	23	32	1	1	27	5	8	27	0	2	42	2
21	0	4	19	21	1	16	56	0	27	15	6	0	24	0	1	2	4	5	11	33	0	2	45	13
22	0	4	24	21	1	17	50	0	27	46	32	0	24	28	1	2	41	5	14	39	0	2	48	24
23	0	4	29	20	1	18	44	0	28	17	59	0	24	56	1	3	18	5	17	46	0	2	51	34
24	0	4	34	19	1	19	38	0	28	49	25	0	25	23	1	3	55	5	20	52	0	2	54	45
25	0	4	39	18	1	20	32	0	29	20	52	0	25	51	1	4	32	5	23	59	0	2	57	56
26	0	4	44	18	1	21	27	0	29	52	19	0	26	19	1	5	8	5	27	5	0	3	1	6
27	0	4	49	17	1	22	21	1	0	23	45	0	26	46	1	5	45	6	0	11	0	3	4	17
28	0	4	54	16	1	23	15	1	0	55	12	0	27	14	1	6	22	6	3	18	0	3	7	27

Aries Marg
Marcius

g	m	h	m	Dies mensis	Littera	Dies anni	Motus Solis S	g	m	2	Motus Lune S	g	m	2	Centrum Lune S	g	m	Argumentum Lune S	g	m	Motus Saturni S	g	m	2	Argumentum Saturni S	g	m
4	23	11	4	1	d	60	1	29	8	20	2	10	35	1	0	22	53	2	3	54	0	2	0	37	1	27	8
3	59	11	8	2	e	61	2	0	7	28	2	23	45	36	1	17	16	2	16	58	0	2	2	36	1	28	5
3	34	11	12	3	f	62	2	1	6	36	3	6	56	11	2	11	39	3	0	2	0	2	4	36	1	29	2
3	30	11	16	4	g	63	2	2	5	44	3	20	6	46	3	6	2	3	13	6	0	2	6	37	1	29	59
2	21	11	24	5	A	64	2	3	4	52	4	3	17	21	4	0	25	3	26	10	0	2	8	38	2	0	56
2	14	11	28	6	b	65	2	4	4	1	4	16	27	56	4	24	48	4	9	13	0	2	10	38	2	1	53
1	49	11	3	7	c	66	2	5	3	10	4	29	38	31	5	19	11	4	22	17	0	2	12	39	2	2	50
1	30	11	3	8	d	67	2	6	2	18	5	12	49	6	6	13	34	5	5	21	0	2	14	39	2	3	48
1	28	11	40	9	e	68	2	7	1	26	5	25	59	41	7	7	57	5	18	25	0	2	16	40	2	4	45
0	50	11	44	10	f	69	2	8	0	35	6	9	10	16	8	2	19	6	1	29	0	2	18	41	2	5	42
0	35	11	48	11	g	70	2	8	59	43	6	22	20	51	8	26	42	6	14	33	0	2	20	41	2	6	39
0	10	11	52	12	A	71	2	9	58	51	7	5	31	26	9	21	5	6	27	37	0	2	22	42	2	7	36
0	0	12	0	13	b	72	2	10	58	0	7	18	42	2	10	15	28	7	10	41	0	2	24	42	2	8	33
0	27	12	4	14	c	73	2	11	57	8	8	1	52	37	11	9	51	7	23	45	0	2	26	43	2	9	30
0	50	12	6	15	d	74	2	12	56	16	8	15	3	12	0	4	14	8	6	49	0	2	28	44	2	10	28
1	20	12	8	16	e	75	2	13	55	24	8	28	13	47	0	28	37	8	19	52	0	2	30	44	2	11	25
1	47	12	12	17	f	76	2	14	54	33	9	11	24	22	1	23	0	9	2	56	0	2	32	45	2	12	22
2	18	12	16	18	g	77	2	15	53	41	9	24	34	57	2	17	23	9	16	0	0	2	34	45	2	13	19
2	40	12	20	19	A	78	2	16	52	50	10	7	45	32	3	11	46	9	29	4	0	2	36	46	2	14	16
3	6	12	26	20	b	79	2	17	51	58	10	20	56	7	4	6	8	10	12	8	0	2	38	46	2	15	13
3	20	12	30	21	c	80	2	18	51	6	11	4	6	42	5	0	31	10	25	12	0	2	40	47	2	16	10
3	48	12	35	22	d	81	2	19	50	14	11	17	17	17	5	24	54	11	8	16	0	2	42	48	2	17	7
4	12	12	40	23	e	82	2	20	49	23	0	0	27	52	6	19	17	11	21	20	0	2	44	48	2	18	4
4	30	12	45	24	f	83	2	21	48	31	0	13	38	27	7	13	40	0	4	24	0	2	46	49	2	19	2
4	58	12	50	25	g	84	2	22	47	39	0	26	49	2	8	8	3	0	17	28	0	2	48	49	2	19	59
5	20	12	52	26	A	85	2	23	46	48	1	9	59	37	9	2	26	1	0	13	0	2	50	50	2	20	56
5	39	12	56	27	b	86	2	24	45	56	1	23	10	12	9	26	49	1	13	37	0	2	52	51	2	21	53
6	0	13	0	28	c	87	2	25	45	4	2	6	20	47	10	21	11	1	26	39	0	2	54	51	2	22	50
6	20	13	4	29	d	88	2	26	44	13	2	19	31	22	11	15	34	2	9	43	0	2	56	52	2	23	47
6	55	13	6	30	e	89	2	27	42	21	3	2	41	57	0	9	57	2	22	47	0	2	58	53	2	24	44
7	16	13	12	31	f	90	2	28	42	29	3	15	52	32	1	4	20	3	5	51	0	3	0	53	2	25	42

Hor Noct 12 diei 12

Aries
hore 8 m

Dr	0	34
98	27	9
g	m	2

dies Martii

Dies mensis	Motus Jovis				Argumentum Jovis			Motus Martis				Argumentum Martis			Argumentum Veneris			Argumentum Mercurii			Motus capitis draconis			
	S	G	M	2ª	S	G	M	S	G	M	2ª	S	G	M	S	G	M	S	G	M	S	G	M	2ª
1	0	4	59	16	1	34	9	1	1	26	39	0	27	42	1	6	59	6	6	24	0	3	10	38
2	0	5	4	15	1	25	3	1	1	58	4	0	28	9	1	7	36	6	9	30	0	3	13	49
3	0	5	9	14	1	25	57	1	2	29	3[illegible]	0	28	37	1	8	13	6	12	37	0	3	16	59
4	0	5	14	13	1	26	52	1	3	0	59	0	29	5	1	8	50	6	15	43	0	3	20	10
5	0	5	19	12	1	27	46	1	3	32	25	0	29	32	1	9	27	6	18	50	0	3	23	21
6	0	5	24	12	1	28	40	1	4	3	59	1	0	0	1	10	4	6	21	56	0	3	26	31
7	0	5	29	11	1	29	34	1	4	35	19	1	0	28	1	10	41	6	25	3	0	3	29	42
8	0	5	34	10	2	0	28	1	5	8	45	1	0	56	1	11	18	6	28	9	0	3	32	53
9	0	5	39	10	2	1	22	1	5	38	12	1	1	23	1	11	55	7	1	15	0	3	36	3
10	0	5	44	9	2	2	16	1	6	9	38	1	1	51	1	12	32	7	4	21	0	3	39	14
11	0	5	49	8	2	3	11	1	6	41	5	1	2	19	1	13	9	7	7	28	0	3	42	24
12	0	5	54	7	2	4	5	1	7	12	32	1	2	46	1	13	46	7	10	35	0	3	45	35
13	0	5	59	7	2	4	59	1	7	43	58	1	3	14	1	14	23	7	13	41	0	3	48	46
14	0	6	4	6	2	5	53	1	8	15	25	1	3	42	1	15	0	7	16	47	0	3	51	56
15	0	6	9	5	2	6	47	1	8	46	52	1	4	9	1	15	37	7	19	53	0	3	55	7
16	0	6	14	4	2	7	41	1	9	18	18	1	4	37	1	16	14	7	23	0	0	3	58	18
17	0	6	19	4	2	8	35	1	9	49	45	1	5	5	1	16	51	7	26	7	0	4	1	28
18	0	6	24	3	2	9	30	1	10	21	12	1	5	32	1	17	28	7	29	13	0	4	4	39
19	0	6	29	3	2	10	24	1	10	52	38	1	6	0	1	18	5	8	2	19	0	4	7	50
20	0	6	34	2	2	11	18	1	11	24	5	1	6	28	1	18	41	8	5	26	0	4	11	0
21	0	6	39	1	2	12	12	1	11	55	32	1	6	56	1	19	19	8	8	32	0	4	14	11
22	0	6	44	0	2	13	6	1	12	26	58	1	7	23	1	19	56	8	11	39	0	4	17	21
23	0	6	48	59	2	14	0	1	12	58	25	1	7	51	1	20	33	8	14	45	0	4	20	32
24	0	6	53	58	2	14	55	1	13	29	51	1	8	19	1	21	10	8	17	51	0	4	23	43
25	0	6	58	58	2	15	49	1	14	1	18	1	8	46	1	21	47	8	20	58	0	4	26	54
26	0	7	3	57	2	16	43	1	14	32	45	1	9	14	1	22	24	8	24	4	0	4	39	4
27	0	7	8	56	2	17	37	1	15	4	12	1	9	42	1	23	1	8	27	11	0	4	33	15
28	0	7	13	55	2	18	11	1	15	35	38	1	10	9	1	23	38	9	0	17	0	4	36	25
29	0	7	18	55	2	19	25	1	16	7	5	1	10	37	1	23	15	9	3	23	0	4	39	36
30	0	7	23	54	2	20	19	1	16	38	31	1	11	5	1	24	52	9	6	30	0	4	42	47
31	0	7	28	53	2	21	14	1	16	9	58	1	11	33	1	25	29	9	9	36	0	4	45	57

Ap Thaurus
Apprilis

Hor. tabu.					Le di	Di an	Motus Solis				Motus lune				Centrus lune			Argum lune			Motus Satrni				Argum Satrn		
Ho	m	g	m	·	lr	dm	S	g	m	2	S	g	m	2	S	g	m	S	g	m	S	g	m	2	S	g	m
13	16	1	28	1	g	91	2	2	41	38	3	24	3	7	1	28	43	3	18	55	0	3	2	54	2	26	34
13	20	8	0	2	a	92	3	0	40	46	4	12	13	14	2	23	6	4	1	59	0	3	4	54	2	27	36
13	24	8	24	3	b	93	3	1	39	54	4	25	24	17	3	17	29	4	11	3	0	3	6	55	2	28	33
13	28	8	44	4	c	94	3	2	39	3	5	8	34	52	4	11	52	4	28	7	0	3	8	55	2	29	30
13	32	9	9	5	d	95	3	3	38	11	5	21	47	27	5	6	55	5	11	10	0	3	10	56	3	0	27
13	36	9	30	6	e	96	3	4	37	19	6	4	56	2	6	0	37	5	24	14	0	3	12	56	3	1	24
13	40	9	48	7	f	97	3	5	36	28	6	18	6	37	6	55	0	6	7	18	0	3	14	57	3	2	22
13	44	10	10	8	g	98	3	6	35	36	7	1	17	12	7	19	23	6	20	22	0	3	16	58	3	3	19
13	48	10	22	9	a	99	3	7	34	44	7	14	27	47	8	13	46	7	3	26	0	3	18	58	3	4	16
13	52	10	52	10	b	100	3	8	33	53	7	27	38	22	9	8	9	7	16	30	0	3	20	59	3	5	13
13	56	11	13	11	c	101	3	9	33	1	8	10	58	27	10	2	32	7	29	34	0	3	22	59	3	6	10
14	0	11	35	12	d	102	3	10	32	9	8	23	19	32	10	26	55	8	12	38	0	3	25	0	3	7	7
14	4	11	58	13	e	103	3	11	31	18	9	7	40	7	11	21	18	8	25	42	0	3	27	1	3	8	4
14	10	12	24	14	f	104	3	12	30	26	9	20	20	42	0	15	41	9	8	46	0	3	29	1	3	9	1
14	15	12	30	15	g	105	3	13	29	24	10	3	34	7	1	10	3	9	21	49	0	3	31	2	3	9	59
14	16	12	37	16	a	106	3	14	28	43	10	16	41	52	2	4	26	10	4	53	0	3	33	2	3	10	56
14	20	13	14	17	b	107	3	15	27	51	10	29	52	37	2	28	49	10	17	57	0	3	35	3	3	11	53
14	26	13	30	18	c	108	3	16	26	59	11	13	3	2	3	23	12	11	1	1	0	3	37	4	3	12	50
14	30	13	52	19	d	109	3	17	26	8	11	26	13	37	4	17	35	11	14	5	0	3	39	4	3	13	47
14	36	14	10	20	e	110	3	18	25	16	0	9	24	12	5	11	58	11	27	9	0	3	41	5	3	14	44
14	40	14	28	21	f	111	3	19	24	24	0	22	34	47	6	6	21	0	10	13	0	3	43	5	3	15	41
14	42	14	48	22	g	112	3	20	23	33	1	5	45	22	7	0	44	0	23	17	0	3	45	6	3	16	38
14	46	15	9	23	a	113	3	21	22	41	1	18	55	57	7	25	7	1	6	21	0	3	47	6	3	17	36
14	50	15	33	24	b	114	3	22	21	49	2	2	6	32	8	19	29	1	19	25	0	3	49	7	3	18	33
14	52	15	55	25	c	115	3	23	20	58	2	15	17	7	9	13	52	2	2	28	0	3	51	8	3	19	30
14	55	16	0	26	d	116	3	24	20	6	2	28	27	42	10	8	15	2	15	32	0	3	53	8	3	20	27
14	56	16	14	27	e	117	3	25	19	14	3	11	38	17	11	2	38	2	28	36	0	3	55	9	3	21	24
14	58	16	35	28	f	118	3	26	18	23	3	24	48	52	11	27	1	3	11	40	0	3	57	9	3	22	21
15	0	16	47	29	g	119	3	27	17	31	4	7	59	27	0	21	24	3	24	44	0	3	59	10	3	23	18
15	4	17	17	30	a	120	3	28	16	39	4	21	10	3	1	15	47	4	7	48	0	4	1	11	3	24	15

Hor Noc 10 Di 14

Thaurus

	S	g
Thau	18	22

34	5	59
g	m	2

Aprilis Thamuz

Dies mensis	Motus Jovis				Augmentum Jovis			Motus Martis				Argumentum Martis			Argumentum Veneris			Argumentum Mercurii			Motus capitis draconis			
S	S	G	M	2	S	G	M	S	G	M	2	S	G	M	S	G	M	S	G	M	S	G	M	2
1	0	7	33	52	2	22	8	1	17	41	25	1	12	0	1	26	6	9	12	43	0	4	49	8
2	0	7	38	52	2	23	2	1	18	12	51	1	12	28	1	26	43	9	15	49	0	4	52	18
3	0	7	43	51	2	23	56	1	18	44	18	1	12	56	1	27	20	9	18	59	0	4	55	29
4	0	7	48	50	2	24	50	1	19	15	45	1	13	23	1	27	57	9	22	2	0	4	58	40
5	0	7	53	49	2	25	44	1	19	47	11	1	13	51	1	28	34	9	25	8	0	5	1	50
6	0	7	58	49	2	26	39	1	20	18	38	1	14	19	1	29	11	9	28	15	0	5	5	1
7	0	8	3	48	2	27	33	1	20	50	5	1	14	46	1	29	48	10	1	21	0	5	8	12
8	0	8	8	47	2	28	27	1	21	21	31	1	15	14	2	0	25	10	4	27	0	5	11	22
9	0	8	13	46	2	29	21	1	21	52	58	1	15	42	2	1	2	10	7	34	0	5	14	33
10	0	8	18	46	3	0	15	1	22	24	24	1	16	9	2	1	39	10	10	40	0	5	17	44
11	0	8	23	45	3	1	9	1	22	55	51	1	16	37	2	2	16	10	13	47	0	5	20	54
12	0	8	28	44	3	2	3	1	23	27	18	1	17	5	2	2	53	10	16	53	0	5	24	5
13	0	8	33	44	3	2	58	1	23	58	44	1	17	33	2	3	30	10	19	59	0	5	27	15
14	0	8	38	43	3	3	52	1	24	30	11	1	18	0	2	4	7	10	23	6	0	5	30	26
15	0	8	43	42	3	4	46	1	25	1	38	1	18	28	2	4	44	10	26	12	0	5	33	37
16	0	8	48	42	3	5	40	1	25	33	4	1	18	56	2	5	21	10	29	18	0	5	36	47
17	0	8	53	41	3	6	34	1	26	4	31	1	19	23	2	5	58	11	2	25	0	5	39	58
18	0	8	58	40	3	7	28	1	26	35	58	1	19	51	2	6	35	11	5	31	0	5	43	9
19	0	9	3	39	3	8	22	1	27	7	24	1	20	18	2	7	12	11	8	38	0	5	46	19
20	0	9	8	38	3	9	17	1	27	38	51	1	20	46	2	7	49	11	11	44	0	5	49	30
21	0	9	13	38	3	10	11	1	28	10	18	1	21	14	2	8	26	11	14	51	0	5	52	41
22	0	9	18	37	3	11	5	1	28	41	44	1	21	42	2	9	3	11	17	57	0	5	55	51
23	0	9	23	36	3	11	59	1	29	13	11	1	22	10	2	9	40	11	21	3	0	5	59	2
24	0	9	28	35	3	12	53	1	29	44	37	1	22	37	2	10	17	11	24	10	0	6	2	12
25	0	9	33	35	3	13	47	2	0	16	4	1	23	5	2	10	54	11	27	16	0	6	5	23
26	0	9	38	34	3	14	42	2	0	47	31	1	23	33	2	11	31	0	0	23	0	6	8	34
27	0	9	43	33	3	15	36	2	1	18	57	1	24	0	2	12	8	0	3	29	0	6	11	44
28	0	9	48	32	3	16	30	2	1	50	24	1	24	28	2	12	45	0	6	35	0	6	14	55
29	0	9	53	32	3	17	24	2	2	21	51	1	24	56	2	13	22	0	9	42	0	6	18	6
30	0	9	58	31	3	18	18	2	2	53	17	1	25	23	2	13	59	0	12	48	0	6	21	16

Phim

Mayus

Radix g	Solis m	hore ho	hore m	Di m	le dm	Di an	Motus Solis S	G	M	2a	Motus Lune S	G	M	2a	Centrum Lune S	G	M	Argumentum Lune S	G	M	Motus Saturni S	G	M	2a	Argumentum Saturni S	G	M
17	10	15	10	1	b	121	3	29	15	48	5	4	20	38	2	10	10	4	20	42	0	4	3	11	3	25	13
17	24	15	12	2	c	122	4	0	14	56	5	17	31	13	3	4	33	5	3	46	0	4	5	12	3	26	10
17	58	15	14	3	d	123	4	1	14	4	6	0	41	48	3	28	55	5	17	0	0	4	7	12	3	27	7
18	17	15	16	4	e	124	4	2	13	13	6	13	52	23	4	23	18	6	0	4	0	4	9	13	3	28	4
18	27	15	20	5	f	125	4	3	12	21	6	27	2	58	5	17	41	6	13	7	0	4	11	14	3	29	1
18	40	15	24	6	g	126	4	4	11	29	7	10	13	33	6	12	4	6	26	11	0	4	13	14	3	29	58
18	53	15	28	7	A	127	4	5	10	38	7	23	24	8	7	6	27	7	9	15	0	4	15	15	4	0	53
19	9	15	32	8	b	128	4	6	9	46	8	6	34	43	8	0	50	7	22	19	0	4	17	15	4	1	
19	13	15	36	9	c	129	4	7	8	54	8	19	45	18	8	25	13	8	5	23	0	4	19	16	4	2	
19	37	15	38	10	d	130	4	8	8	3	9	2	55	53	9	19	36	8	18	27	0	4	21	16	4	3	
19	50	15	40	11	e	131	4	9	7	11	9	16	6	28	10	13	59	9	1	31	0	4	23	17	4	4	
20	8	15	42	12	f	132	4	10	6	19	9	29	16	3	11	8	21	9	14	35	0	4	25	18	4	5	
20	15	15	48	13	g	133	4	11	5	27	10	12	26	38	0	2	44	9	27	39	0	4	27	18	4	6	
20	35	15	50	14	A	134	4	12	4	36	10	25	38	13	0	27	7	10	10	42	0	4	29	19	4	7	
20	50	15	52	15	b	135	4	13	3	44	11	8	48	48	1	21	30	10	23	46	0	4	31	19	4	8	
21	0	15	54	16	c	136	4	14	2	52	11	21	59	23	2	15	53	11	6	50	0	4	33	20	4	9	
21	10	15	56	17	d	137	4	15	2	1	0	5	50	58	3	10	16	11	19	54	0	4	35	21	4	10	
21	21	16	0	18	e	138	4	16	1	9	0	18	20	33	4	4	39	0	2	58	0	4	37	21	4	11	
21	28	16	2	19	f	139	4	17	0	17	1	1	31	8	4	29	2	0	16	2	0	4	39	22	4	12	
21	41	16	4	20	g	140	4	17	59	26	1	14	41	43	5	23	25	0	29	6	0	4	41	22	4	13	
21	50	16	5	21	A	141	4	18	58	34	1	27	52	18	6	17	48	1	12	10	0	4	43	23	4	14	
21	59	16	6	22	b	142	4	19	57	42	2	11	2	53	7	12	10	1	25	14	0	4	45	24	4	15	
22	8	16	7	23	c	143	4	20	56	51	2	24	13	28	8	6	33	2	8	18	0	4	47	24	4	16	
22	23	16	8	24	d	144	4	21	55	59	3	7	24	3	9	0	56	2	21	21	0	4	49	25	4	17	
22	31	16	10	25	e	145	4	22	55	7	3	20	34	38	9	25	19	3	4	25	0	4	51	25	4	18	
22	38	16	12	26	f	146	4	23	54	16	4	3	45	13	10	19	42	3	17	29	0	4	53	26	4	19	
22	46	16	12	27	g	147	4	24	53	24	4	16	55	48	11	14	5	4	0	33	0	4	55	26	4	19	
22	50	16	13	28	A	148	4	25	52	32	5	0	6	23	0	8	28	4	13	37	0	4	57	27	4	20	
22	57	16	14	29	b	149	4	26	51	41	5	13	16	58	1	2	51	4	26	41	0	4	59	28	4	21	
22	59	16	15	30	c	150	4	27	50	49	5	26	27	33	1	27	13	5	9	45	0	5	1	28	4	22	
23	2	16	16	31	d	151	4	28	49	57	6	9	38	8	2	21	36	5	22	49	0	5	3	29	4	23	

Gemi

ho	m	
Ge	0	33
176	7	54
g	m	2

Hor Noct. 8. m 16

Maius

Dies mensis	Motus Iovis S	G	M	2	Argumentum Iovis S	G	M	Motus Martis S	G	M	2	Argumentum Martis S	G	M	Argumentum Veneris S	G	M	Argumentum Mercurii S	G	M	Motus capitis draconis S	G	M	2
1	0	10	3	30	3	19	12	2	3	24	44	1	25	51	2	14	36	0	15	55	0	6	24	27
2	0	10	8	29	3	20	6	2	3	56	11	1	26	19	2	15	13	0	19	1	0	6	27	38
3	0	10	13	29	3	21	1	2	4	27	37	1	26	46	2	15	50	0	22	7	0	6	30	48
4	0	10	18	28	3	21	55	2	4	59	4	1	27	14	2	16	27	0	25	14	0	6	33	59
5	0	10	23	27	3	22	49	2	5	30	31	1	27	42	2	17	4	0	28	20	0	6	37	10
6	0	10	28	26	3	23	43	2	6	1	57	1	28	10	2	17	41	1	1	27	0	6	40	20
7	0	10	33	26	3	24	37	2	6	33	24	1	28	37	2	18	18	1	4	33	0	6	43	31
8	0	10	38	25	3	25	31	2	7	4	50	1	29	5	2	18	55	1	7	39	0	6	46	41
9	0	10	43	24	3	26	25	2	7	36	17	1	29	33	2	19	32	1	10	46	0	6	49	52
10	0	10	48	23	3	27	20	2	8	7	44	2	0	0	2	20	9	1	13	52	0	6	53	23
11	0	10	53	23	3	28	14	2	8	38	10	2	0	28	2	20	46	1	16	59	0	6	56	13
12	0	10	58	22	3	29	8	2	9	10	37	2	0	56	2	21	23	1	20	5	0	6	59	24
13	0	11	3	21	4	0	2	2	9	42	4	2	1	23	2	22	0	1	23	11	0	7	2	35
14	0	11	8	21	4	0	56	2	10	13	30	2	1	51	2	22	37	1	26	18	0	7	5	44
15	0	11	13	20	4	1	50	2	10	44	57	2	2	19	2	23	14	1	29	24	0	7	8	56
16	0	11	18	19	4	2	45	2	11	16	24	2	2	47	2	23	51	2	2	31	0	7	12	7
17	0	11	23	18	4	3	39	2	11	47	50	2	3	14	2	24	28	2	5	37	0	7	15	17
18	0	11	28	18	4	4	33	2	12	19	17	2	3	42	2	25	5	2	8	43	0	7	18	28
19	0	11	33	17	4	5	27	2	12	50	44	2	4	10	2	25	42	2	11	50	0	7	21	38
20	0	11	38	16	4	6	21	2	13	22	10	2	4	37	2	26	19	2	14	56	0	7	24	49
21	0	11	43	15	4	7	15	2	13	53	37	2	5	5	2	26	56	2	18	3	0	7	28	0
22	0	11	48	15	4	8	9	2	14	25	4	2	5	33	2	27	33	2	21	9	0	7	31	10
23	0	11	53	14	4	9	4	2	14	56	30	2	6	0	2	28	10	2	24	16	0	7	34	21
24	0	11	58	13	4	9	58	2	15	27	57	2	6	28	2	28	47	2	27	22	0	7	37	32
25	0	12	3	12	4	10	52	2	15	59	23	2	6	56	2	29	24	3	0	28	0	7	40	42
26	0	12	8	12	4	11	46	2	16	30	50	2	7	23	3	0	1	3	3	35	0	7	43	53
27	0	12	13	11	4	12	40	2	17	2	17	2	7	51	3	0	38	3	6	41	0	7	47	4
28	0	12	18	10	4	13	34	2	17	33	43	2	8	19	3	1	15	3	9	48	0	7	50	14
29	0	12	23	9	4	14	29	2	18	5	10	2	8	47	3	1	52	3	12	54	0	7	53	25
30	0	12	28	9	4	15	23	2	18	36	37	2	9	14	3	2	29	3	16	0	0	7	56	35
31	0	12	33	8	4	16	17	2	19	8	3	2	9	42	3	3	6	3	19	7	0	7	59	46

Annus

[illegible]	[illegible]	[illegible]	[illegible]	dies mensis	le de les	dies anni	Motus Solis				Motus lune				Centrum lune			Argumentum lune			Motus Saturni				Argumentum Saturni		
ho	m	ho	m				s	g	m	2	s	g	m	2	s	g	m	s	g	m	s	g	m	2	s	g	m
23	4	16	18	1	e	152	4	29	49	6	6	22	48	43	3	15	59	6	5	53	0	5	5	29	4	24	44
23	7	16	22	2	f	153	5	0	48	14	7	5	59	18	4	10	22	6	18	57	0	5	7	30	4	25	41
23	10	16	22	3	g	154	5	1	47	22	7	19	9	53	5	4	45	7	2	0	0	5	9	31	4	26	38
23	14	16	24	4	a	155	5	2	46	31	8	2	20	28	5	29	8	7	15	4	0	5	11	31	4	27	35
23	17	16	25	5	b	156	5	3	45	39	8	15	31	3	6	23	31	7	28	8	0	5	13	32	4	28	32
23	20	16	25	6	c	157	5	4	44	47	8	28	41	38	7	17	54	8	11	12	0	5	15	32	4	29	29
23	23	16	26	7	d	158	5	5	43	56	9	11	52	13	8	12	17	8	24	16	0	5	17	33	5	0	26
23	25	16	26	8	e	159	5	6	43	4	9	25	2	48	9	6	39	9	7	20	0	5	19	34	5	1	24
23	27	16	27	9	f	160	5	7	42	12	10	8	13	23	10	1	2	9	20	24	0	5	21	34	5	2	21
23	30	16	27	10	g	161	5	8	41	21	10	21	23	58	10	25	25	10	3	28	0	5	23	35	5	3	18
23	31	16	28	11	a	162	5	9	40	29	11	4	34	33	11	19	48	10	16	32	0	5	25	35	5	4	15
23	32	16	28	12	b	163	5	10	39	37	11	17	45	8	0	14	11	10	29	36	0	5	27	36	5	5	12
23	33	16	29	13	c	164	5	11	38	46	0	0	55	43	1	8	34	11	12	39	0	5	29	36	5	6	9
23	33	16	30	14	d	165	5	12	37	54	0	14	6	18	2	2	57	11	25	43	0	5	31	37	5	7	6
23	33	16	30	15	e	166	5	13	37	2	0	27	16	53	2	27	20	0	8	47	0	5	33	36	5	8	3
23	31	16	29	16	f	167	5	14	36	11	1	10	27	28	3	21	43	0	21	51	0	5	35	38	5	9	1
23	30	16	28	17	g	168	5	15	35	18	1	23	38	4	4	16	5	1	4	55	0	5	37	39	5	9	58
23	29	16	27	18	a	169	5	16	34	27	2	6	48	39	5	10	28	1	17	59	0	5	39	39	5	10	55
23	26	16	26	19	b	170	5	17	33	36	2	19	59	14	6	4	51	2	1	3	0	5	41	40	5	11	52
23	24	16	25	20	c	171	5	18	32	44	3	3	9	49	6	29	14	2	14	7	0	5	43	41	5	12	49
23	21	16	24	21	d	172	5	19	31	52	3	16	20	24	7	23	37	2	27	11	0	5	45	41	5	13	46
23	17	16	23	22	e	173	5	20	31	1	3	29	30	59	8	18	0	3	10	15	0	5	47	42	5	14	43
23	15	16	22	23	f	174	5	21	30	9	4	12	41	34	9	12	23	3	23	18	0	5	49	42	5	15	40
23	10	16	21	24	g	175	5	22	29	17	4	25	52	9	10	6	46	4	6	22	0	5	51	43	5	16	38
23	6	16	21	25	a	176	5	23	28	26	5	9	2	44	11	1	9	4	19	26	0	5	53	44	5	17	35
23	1	16	19	26	b	177	5	24	27	34	5	22	13	19	11	25	32	5	2	30	0	5	55	44	5	18	32
23	13	16	18	27	c	178	5	25	26	42	6	5	23	54	0	19	55	5	15	34	0	5	57	45	5	19	29
22	57	16	18	28	d	179	5	26	25	51	6	18	34	29	1	14	7	5	28	38	0	5	59	45	5	20	26
22	39	16	17	29	e	180	5	27	24	59	7	1	45	4	2	8	40	6	11	42	0	6	1	46	5	21	23
22	33	16	16	30	f	181	5	28	24	7	7	14	55	39	3	3	3	6	24	46	0	6	3	46	5	22	20

Canc̄
ho m
Can 13 22
20 34 18
g m 2

Vor Nott 6. d. 18

Dies mensis	Motus Jovis S	G	M	2	Verum Jovis S	G	M	Motus Martis S	G	M	2	Argum Martis S	G	M	Verum Veneris S	G	M	Argum Mercurii S	G	M	Motus capitis draconis S	G	M	2
1	0	12	38	7	4	17	11	2	19	39	30	2	10	10	3	3	43	3	22	13	0	8	2	57
2	0	12	43	6	4	18	5	2	20	10	57	2	10	37	3	4	20	3	25	20	0	8	6	7
3	0	12	48	6	4	18	59	2	20	42	23	2	11	5	3	4	57	3	28	26	0	8	9	18
4	0	12	53	5	4	19	53	2	21	13	50	2	11	33	3	5	34	4	1	32	0	8	12	28
5	0	12	58	4	4	20	48	2	21	45	17	2	12	0	3	6	11	4	4	39	0	8	15	39
6	0	13	3	3	4	21	42	2	22	16	43	2	12	28	3	6	48	4	7	45	0	8	18	50
7	0	13	8	3	4	22	36	2	22	48	10	2	12	56	3	7	25	4	10	52	0	8	22	0
8	0	13	13	2	4	23	30	2	23	19	36	2	13	23	3	8	2	4	13	58	0	8	25	11
9	0	13	18	1	4	24	24	2	23	51	3	2	13	51	3	8	39	4	17	4	0	8	28	22
10	0	13	23	0	4	25	18	2	24	22	30	2	14	19	3	9	16	4	20	11	0	8	31	32
11	0	13	28	0	4	26	12	2	24	53	56	2	14	47	3	9	53	4	23	17	0	8	34	43
12	0	13	32	59	4	27	7	2	25	25	23	2	15	14	3	10	30	4	26	24	0	8	37	54
13	0	13	37	58	4	28	1	2	25	56	50	2	15	42	3	11	7	4	29	30	0	8	41	4
14	0	13	42	57	4	28	55	2	26	28	16	2	16	10	3	11	44	5	2	36	0	8	44	15
15	0	13	47	57	4	29	49	2	26	59	43	2	16	37	3	12	20	5	5	43	0	8	47	26
16	0	13	52	56	5	0	43	2	27	31	10	2	17	5	3	12	57	5	8	49	0	8	50	36
17	0	13	57	56	5	1	37	2	28	2	36	2	17	33	3	13	34	5	11	56	0	8	53	47
18	0	14	2	55	5	2	32	2	28	34	3	2	18	0	3	14	11	5	15	2	0	8	56	57
19	0	14	7	54	5	3	26	2	29	5	30	2	18	28	3	14	48	5	18	8	0	9	0	8
20	0	14	12	53	5	4	20	2	29	36	56	2	18	56	3	15	25	5	21	15	0	9	3	19
21	0	14	17	53	5	5	14	3	0	8	23	2	19	23	3	16	2	5	24	21	0	9	6	29
22	0	14	22	52	5	6	8	3	0	39	49	2	19	51	3	16	39	5	27	28	0	9	9	40
23	0	14	27	51	5	7	2	3	1	11	16	2	20	19	3	17	16	6	0	34	0	9	12	51
24	0	14	32	50	5	7	56	3	1	42	43	2	20	47	3	17	53	6	3	40	0	9	16	0
25	0	14	37	49	5	8	51	3	2	14	9	2	21	14	3	18	30	6	6	47	0	9	19	12
26	0	14	42	49	5	9	45	3	2	45	36	2	21	42	3	19	7	6	9	53	0	9	22	22
27	0	14	47	48	5	10	39	3	3	17	3	2	22	10	3	19	44	6	13	0	0	9	25	33
28	0	14	52	47	5	11	33	3	3	48	29	2	22	37	3	20	21	6	16	6	0	9	28	44
29	0	14	57	46	5	12	27	3	4	19	56	2	23	5	3	20	58	6	19	12	0	9	31	54
30	0	15	2	46	5	13	21	3	4	51	23	2	23	33	3	21	35	6	22	19	0	9	35	5

Iula
Julius

Declinatio Solis		Quantitas diei		Dies mensis	Littere dominicales	Dies anni	Motus Solis				Motus Lune				Centrum Lune			Argumentum Lune			Motus Saturni				Argumentum Saturni		
g	m	h	m	sis	les	ni	S	g	m	2a	S	g	m	2a	S	g	m	S	g	m	S	g	m	2a	S	g	m
22	30	16	16	1	g	182	5	29	23	16	7	28	6	14	3	27	26	7	7	50	0	6	5	47	5	23	17
22	24	16	15	2	A	183	6	0	22	24	8	11	16	49	4	21	49	7	20	54	0	6	7	48	5	24	14
22	16	16	14	3	b	184	6	1	21	32	8	24	27	24	5	16	12	8	3	57	0	6	9	48	5	25	12
22	7	16	12	4	c	185	6	2	20	41	9	7	37	59	6	10	35	8	17	1	0	6	11	49	5	26	9
21	59	16	10	5	d	186	6	3	19	49	9	20	48	34	7	4	58	9	0	5	0	6	13	49	5	27	6
21	49	16	8	6	e	187	6	4	18	57	10	3	59	9	7	29	20	9	13	9	0	6	15	50	5	28	3
21	39	16	7	7	f	188	6	5	18	5	10	17	9	44	8	23	43	9	26	13	0	6	17	51	5	29	0
21	29	16	6	8	g	189	6	6	17	14	11	0	20	19	9	18	6	10	9	17	0	6	19	51	5	29	57
21	20	16	4	9	A	190	6	7	16	22	11	13	30	54	10	12	29	10	22	21	0	6	21	52	6	0	55
21	8	16	3	10	b	191	6	8	15	30	11	26	41	29	11	6	52	11	5	25	0	6	23	52	6	1	52
20	54	16	2	11	c	192	6	9	14	39	0	9	52	4	0	1	15	11	18	29	0	6	25	53	6	2	49
20	42	16	0	12	d	193	6	10	13	47	0	23	2	39	0	25	38	0	1	33	0	6	27	54	6	3	46
20	30	15	54	13	e	194	6	11	12	55	1	6	13	14	1	20	1	0	14	36	0	6	29	54	6	4	43
20	25	15	52	14	f	195	6	12	12	4	1	19	23	49	2	14	24	0	27	40	0	6	31	55	6	5	40
20	15	15	50	15	g	196	6	13	11	12	2	2	34	24	3	8	46	1	10	44	0	6	33	55	6	6	37
20	7	15	48	16	A	197	6	14	10	20	2	15	44	59	4	3	9	1	23	48	0	6	35	56	6	7	34
19	48	15	46	17	b	198	6	15	9	29	2	28	55	34	4	27	32	2	6	52	0	6	37	56	6	8	32
19	37	15	44	18	c	199	6	16	8	37	3	12	6	9	5	21	55	2	19	56	0	6	39	57	6	9	29
19	10	15	40	19	d	200	6	17	7	45	3	25	16	44	6	16	19	3	3	0	0	6	41	58	6	10	26
19	5	15	32	20	e	201	6	18	6	54	4	8	27	19	7	10	41	3	16	4	0	6	43	58	6	11	23
18	48	15	30	21	f	202	6	19	6	2	4	21	37	54	8	5	4	3	29	8	0	6	45	59	6	12	20
18	40	15	28	22	g	203	6	20	5	10	5	4	48	29	8	29	27	4	12	12	0	6	47	59	6	13	17
18	28	15	27	23	A	204	6	21	4	19	5	17	59	4	9	23	50	4	25	16	0	6	50	0	6	14	14
18	16	15	24	24	b	205	6	22	3	27	6	1	9	39	10	18	12	5	8	19	0	6	52	1	6	15	11
17	55	15	20	25	c	206	6	23	2	35	6	14	20	14	11	12	35	5	21	23	0	6	54	1	6	16	9
17	44	15	16	26	d	207	6	24	1	44	6	27	30	49	0	6	58	6	4	27	0	6	56	2	6	17	6
17	22	15	14	27	e	208	6	25	0	52	7	10	41	24	1	1	21	6	17	31	0	6	58	2	6	18	3
17	7	15	12	28	f	209	6	26	0	0	7	23	51	59	1	25	44	7	0	35	0	7	0	3	6	19	0
16	51	15	10	29	g	210	6	26	59	9	8	7	2	34	2	20	7	7	13	39	0	7	2	4	6	19	57
16	30	15	8	30	A	211	6	27	58	17	8	20	13	9	3	14	30	7	26	43	0	7	4	4	6	20	54
16	19	15	4	31	b	212	6	28	57	25	9	3	23	44	4	8	53	8	9	47	0	7	6	5	6	21	51

Leo

	g	m
Leo	2	3
	2 42	46
	g	m

Hor Noct · 8 · m · 16

Julius

Dies	Motus Jovis				Argumentum Jovis			Motus Martis				Argumentum Mart			Argumentum Veneris			Argumentum Mercurii			Motus capitis draconis			
mensis	S	G	M	2	S	G	M	S	G	M	2	S	G	M	S	G	M	S	G	M	S	G	M	2
1	0	15	7	45	5	14	16	3	5	22	49	2	24	0	3	22	12	6	25	25	0	9	38	16
2	0	15	12	44	5	15	10	3	5	54	16	2	24	28	3	22	49	6	28	32	0	9	41	26
3	0	15	17	43	5	16	4	3	6	25	43	2	24	56	3	23	26	7	1	38	0	9	44	37
4	0	15	22	43	5	16	58	3	6	57	9	2	25	24	3	24	3	7	4	44	0	9	47	48
5	0	15	27	42	5	17	52	3	7	28	36	2	25	51	3	24	40	7	7	51	0	9	50	58
6	0	15	32	41	5	18	46	3	8	0	3	2	26	19	3	25	17	7	10	57	0	9	54	9
7	0	15	37	40	5	19	40	3	8	31	29	2	26	47	3	25	54	7	14	4	0	9	57	19
8	0	15	42	40	5	20	34	3	9	2	56	2	27	14	3	26	31	7	17	10	0	10	0	30
9	0	15	47	39	5	21	29	3	9	34	22	2	27	42	3	27	8	7	20	16	0	10	3	41
10	0	15	52	38	5	22	23	3	10	5	49	2	28	10	3	27	45	7	23	23	0	10	6	51
11	0	15	57	37	5	23	17	3	10	37	16	2	28	37	3	28	22	7	26	29	0	10	10	2
12	0	16	2	37	5	24	11	3	11	8	42	2	29	5	3	28	59	7	29	36	0	10	13	13
13	0	16	7	36	5	25	5	3	11	40	9	2	29	33	3	29	36	8	2	42	0	10	16	23
14	0	16	12	35	5	25	59	3	12	11	36	3	0	0	4	0	13	8	5	48	0	10	19	34
15	0	16	17	34	5	26	54	3	12	43	2	3	0	28	4	0	50	8	8	55	0	10	22	45
16	0	16	22	34	5	27	48	3	13	14	29	3	0	56	4	1	27	8	12	1	0	10	25	55
17	0	16	27	33	5	28	42	3	13	45	56	3	1	24	4	2	4	8	15	8	0	10	29	6
18	0	16	32	32	5	29	36	3	14	17	22	3	1	51	4	2	41	8	18	14	0	10	32	16
19	0	16	37	22	6	0	30	3	14	48	49	3	2	19	4	3	18	8	21	20	0	10	35	28
20	0	16	42	31	6	1	24	3	15	20	16	3	2	47	4	3	55	8	24	27	0	10	38	38
21	0	16	47	30	6	2	19	3	15	51	42	3	3	14	4	4	32	8	27	33	0	10	41	48
22	0	16	52	29	6	3	13	3	16	23	4	3	3	42	4	5	9	9	0	40	0	10	44	59
23	0	16	57	29	6	4	7	3	16	54	35	3	4	10	4	5	46	9	3	46	0	10	48	10
24	0	17	2	28	6	5	1	3	17	26	2	3	4	37	4	6	23	9	6	52	0	10	51	20
25	0	17	7	27	6	5	55	3	17	57	29	3	5	5	4	7	0	9	9	59	0	10	54	31
26	0	17	12	26	6	6	49	3	18	28	56	3	5	33	4	7	37	9	13	5	0	10	57	41
27	0	17	17	26	6	7	43	3	19	0	22	3	6	0	4	8	14	9	16	12	0	11	0	52
28	0	17	22	25	6	8	38	3	19	31	49	3	6	28	4	8	51	9	19	18	0	11	4	3
29	0	17	27	24	6	9	32	3	20	3	16	3	6	56	4	9	28	9	22	24	0	11	7	13
30	0	17	32	24	6	10	26	3	20	34	42	3	7	24	4	10	5	9	25	31	0	11	10	24
31	0	17	37	23	6	11	29	3	21	6	9	3	7	51	4	10	42	9	28	37	0	11	13	35

Mensis Augustus

Ho.	Mi.	G.	Mi.	Dies mensis	Littere	Dies anni	Motus Solis S	G	Mi	2a	Motus Lune S	G	Mi	2a	Centrum lune S	G	Mi	Argumentum lune S	G	Mi	Motus Saturni S	G	Mi	2a	Argumentum Saturni S	G	Mi
15	44	15	0	1	c	213	6	29	56	34	9	16	34	19	5	3	16	8	22	51	0	7	8	5	6	22	48
15	24	14	56	2	d	214	7	0	55	42	9	29	44	54	5	27	38	9	5	54	0	7	10	6	6	23	46
15	5	14	52	3	e	215	7	1	54	50	10	12	55	29	6	22	1	9	18	58	0	7	12	6	6	24	43
14	48	14	48	4	f	216	7	2	53	59	10	26	6	5	7	16	24	10	2	2	0	7	14	7	6	25	40
14	29	14	44	5	g	217	7	3	53	7	11	9	16	40	8	10	47	10	15	6	0	7	16	8	6	26	37
14	12	14	40	6	A	218	7	4	52	17	11	22	27	17	9	5	10	10	28	10	0	7	18	8	6	27	34
13	53	14	38	7	b	219	7	5	51	24	0	5	37	50	9	29	33	11	11	14	0	7	20	9	6	28	31
13	30	14	36	8	c	220	7	6	50	32	0	18	48	21	10	23	56	11	24	18	0	7	22	9	6	29	28
13	17	14	34	9	d	221	7	7	49	40	1	1	59	0	11	18	19	0	7	22	0	7	24	10	7	0	26
13	[illegible]	14	32	10	e	222	7	8	48	49	1	15	9	35	0	12	42	0	20	26	0	7	26	11	7	1	23
12	30	14	30	11	f	223	7	9	47	57	1	28	20	10	1	7	4	1	3	30	0	7	28	11	7	2	20
12	23	14	24	12	g	224	7	10	47	5	2	11	30	47	2	1	27	1	16	33	0	7	30	12	7	3	17
11	10	14	20	13	A	225	7	11	46	14	2	24	41	20	2	25	50	1	29	37	0	7	32	12	7	4	14
11	55	14	17	14	b	226	7	12	45	22	3	7	51	55	3	20	13	2	12	41	0	7	34	13	7	5	11
11	39	14	12	15	c	227	7	13	44	30	3	21	2	30	4	14	36	2	25	45	0	7	36	14	7	6	8
11	19	14	8	16	d	228	7	14	43	39	4	4	13	5	5	8	59	3	8	49	0	7	38	14	7	7	5
10	20	14	0	17	e	229	7	15	42	47	4	17	23	40	6	3	22	3	21	53	0	7	40	15	7	8	3
10	29	13	56	18	f	230	7	16	41	57	5	0	34	17	6	27	45	4	4	57	0	7	42	15	7	9	0
9	47	13	52	19	g	231	7	17	41	4	5	13	44	50	7	22	8	4	18	1	0	7	44	16	7	9	57
9	26	13	48	20	A	232	7	18	40	12	5	26	55	27	8	16	30	5	1	5	0	7	46	16	7	10	54
9	0	13	44	21	b	233	7	19	39	20	6	10	6	0	9	10	53	5	14	9	0	7	48	17	7	11	51
8	46	13	40	22	c	234	7	20	38	29	6	23	16	37	10	5	16	5	27	12	0	7	50	18	7	12	48
8	22	13	35	23	d	235	7	21	37	37	7	6	27	10	10	29	39	6	10	16	0	7	52	18	7	13	45
7	58	13	22	24	e	236	7	22	36	47	7	19	37	47	11	24	2	6	23	20	0	7	54	19	7	14	42
7	47	13	38	25	f	237	7	23	35	54	8	2	48	20	0	18	25	7	6	24	0	7	56	19	7	15	40
7	18	13	29	26	g	238	7	24	35	2	8	15	58	55	1	12	48	7	19	28	0	7	58	20	7	16	37
6	11	13	20	27	A	239	7	25	34	10	8	29	9	30	2	7	11	8	2	32	0	8	0	21	7	17	34
6	25	13	17	28	b	240	7	26	33	18	9	12	20	5	3	1	34	8	15	36	0	8	2	21	7	18	31
6	20	13	16	29	c	241	7	27	32	27	9	25	30	40	3	25	56	8	28	40	0	8	4	22	7	19	28
5	19	13	6	30	d	242	7	28	31	35	10	8	41	17	4	20	19	9	11	44	0	8	6	22	7	20	25
5	42	13	3	31	e	243	7	29	30	43	10	21	51	50	5	14	42	9	24	48	0	8	8	23	7	21	22

Virgo

Hore m

[illegible]	7	97
[illegible]8	48	12

Hore noctis 10 dies

Augustus

Dies mensis	Motus Jovis S	G	M	2	Argumentum Jovis S	G	M	Motus Martis S	G	M	2	Argumentum Martis S	G	M	Argumentum Veneris S	G	M	Argumentum Mercurii S	G	M	Motus capitis draconis S	G	M	2
1	0	17	42	22	6	12	14	3	21	37	35	3	8	19	4	11	19	10	1	48	0	11	16	47
2	0	17	47	21	6	13	8	3	22	9	2	3	8	47	4	11	56	10	4	50	0	11	19	56
3	0	17	52	20	6	14	2	3	22	40	29	3	9	14	4	12	33	10	7	56	0	11	23	7
4	0	17	57	20	6	14	57	3	23	11	55	3	9	42	4	13	10	10	11	3	0	11	26	17
5	0	18	2	19	6	15	51	3	23	43	22	3	10	10	4	13	47	10	14	9	0	11	29	28
6	0	18	7	18	6	16	45	3	24	14	48	3	10	37	4	14	24	10	17	16	0	11	32	39
7	0	18	12	17	6	17	39	3	24	46	15	3	11	5	4	15	1	10	20	22	0	11	35	49
8	0	18	17	17	6	18	33	3	25	17	42	3	11	33	4	15	38	10	23	28	0	11	39	0
9	0	18	22	16	6	19	27	3	25	49	8	3	12	1	4	16	15	10	26	35	0	11	42	10
10	0	18	27	15	6	20	22	3	26	20	35	3	12	28	4	16	52	10	29	41	0	11	45	21
11	0	18	32	14	6	21	16	3	26	52	2	3	12	56	4	17	29	11	2	48	0	11	48	32
12	0	18	37	14	6	22	10	3	27	23	28	3	13	24	4	18	6	11	5	54	0	11	51	42
13	0	18	42	13	6	23	4	3	27	54	55	3	13	51	4	18	43	11	9	0	0	11	54	53
14	0	18	47	12	6	23	58	3	28	26	22	3	14	19	4	19	20	11	12	7	0	11	58	4
15	0	18	52	11	6	24	52	3	28	57	48	3	14	47	4	19	57	11	15	13	0	12	1	14
16	0	18	57	11	6	25	46	3	29	29	15	3	15	14	4	20	34	11	18	20	0	12	4	25
17	0	19	2	10	6	26	41	4	0	0	42	3	15	42	4	21	11	11	21	26	0	12	7	35
18	0	19	7	9	6	27	35	4	0	32	8	3	16	10	4	21	48	11	24	32	0	12	10	46
19	0	19	12	8	6	28	29	4	1	3	35	3	16	37	4	22	25	11	27	39	0	12	13	57
20	0	19	17	8	6	29	23	4	1	35	2	3	17	5	4	23	2	0	0	45	0	12	17	7
21	0	19	22	7	7	0	17	4	2	6	28	3	17	33	4	23	39	0	3	52	0	12	20	18
22	0	19	27	6	7	1	11	4	2	37	55	3	18	1	4	24	16	0	6	58	0	12	23	29
23	0	19	32	6	7	2	6	4	3	9	22	3	18	28	4	24	53	0	10	5	0	12	26	39
24	0	19	37	5	7	3	0	4	3	40	48	3	18	56	4	25	30	0	13	11	0	12	29	50
25	0	19	42	4	7	3	54	4	4	12	15	3	19	24	4	26	7	0	16	17	0	12	33	1
26	0	19	47	3	7	4	48	4	4	43	42	3	19	51	4	26	44	0	19	24	0	12	36	11
27	0	19	52	3	7	5	42	4	5	15	8	3	20	19	4	27	21	0	22	30	0	12	39	22
28	0	19	57	2	7	6	36	4	5	46	35	3	20	47	4	27	58	0	25	37	0	12	42	32
29	0	20	2	1	7	7	30	4	6	18	1	3	21	14	4	28	35	0	28	43	0	12	45	43
30	0	20	7	0	7	8	24	4	6	49	28	3	21	42	4	29	12	1	1	49	0	12	48	54
31	0	20	12	0	7	9	18	4	7	20	55	3	22	10	4	29	49	1	4	56	0	12	52	4

Sep

Septēber

Equa dierum		hore		di	le	di an	Motus Solis				Motus lune				Centrum lune			Argum' lune			Motus Saturni				Aug' Saturni		
m	2	h	m				S	g	m	2	S	g	m	2	S	g	m	S	g	m	S	g	m	2	S	g	m
5	26	13	0	1	f	244	8	0	29	54	11	5	2	25	6	9	5	10	7	51	0	8	10	24	7	22	19
5	16	12	56	2	g	245	8	1	29	0	11	18	13	0	7	3	28	10	20	55	0	8	12	24	7	23	17
4	30	12	52	3	A	246	8	2	28	8	0	1	23	35	7	27	51	11	3	59	0	8	14	25	7	24	14
4	20	12	48	4	b	247	8	3	27	17	0	14	34	10	8	22	14	11	17	3	0	8	16	25	7	25	11
3	48	12	44	5	c	248	8	4	26	27	0	27	44	45	9	16	37	0	0	7	0	8	18	26	7	26	8
3	30	12	40	6	d	249	8	5	25	33	1	10	55	20	10	11	0	0	13	11	0	8	20	26	7	27	5
3	21	12	36	7	e	250	8	6	24	42	1	24	5	55	11	5	22	0	26	15	0	8	22	27	7	28	2
2	57	12	30	8	f	251	8	7	23	50	2	7	16	30	11	29	45	1	9	19	0	8	24	28	7	28	59
2	33	12	24	9	g	252	8	8	22	58	2	20	27	5	0	24	8	1	22	23	0	8	26	28	7	29	57
1	54	12	20	10	A	253	8	9	22	7	3	3	37	40	1	18	31	2	5	27	0	8	28	29	8	0	54
1	28	12	16	11	b	254	8	10	21	17	3	16	48	15	2	12	54	2	18	30	0	8	30	29	8	1	51
1	0	12	12	12	c	255	8	11	20	33	3	29	58	50	3	7	17	3	1	34	0	8	32	30	8	2	48
0	38	12	8	13	d	256	8	12	19	32	4	13	9	25	4	1	40	3	14	38	0	8	34	31	8	3	45
0	18	12	4	14	e	257	8	13	18	40	4	26	20	0	4	26	3	3	27	42	0	8	36	31	8	4	42
0	0	12	0	15	f	258	8	14	17	48	5	9	30	35	5	20	26	4	10	46	0	8	38	32	8	5	39
0	28	12	0	16	g	259	8	15	16	57	5	22	41	10	6	14	48	4	23	50	0	8	40	32	8	6	36
0	50	12	0	17	A	260	8	16	16	5	6	5	51	45	7	9	11	5	6	54	0	8	42	33	8	7	34
1	20	11	56	18	b	261	8	17	15	13	6	19	2	20	8	3	34	5	19	58	0	8	44	34	8	8	31
1	40	11	52	19	c	262	8	18	14	22	7	2	12	55	8	27	56	6	3	2	0	8	46	34	8	9	28
1	22	11	48	20	d	263	8	19	13	34	7	15	23	30	9	22	20	6	16	6	0	8	48	35	8	10	25
2	57	11	44	21	e	264	8	20	12	38	7	28	34	6	10	16	43	6	29	9	0	8	50	35	8	11	22
2	50	11	36	22	f	265	8	21	11	47	8	11	44	44	11	11	6	7	12	13	0	8	52	36	8	12	19
3	18	11	30	23	g	266	8	22	10	55	8	24	55	16	0	5	29	7	25	17	0	8	54	36	8	13	16
3	40	11	26	24	A	267	8	23	10	3	9	8	5	51	0	29	52	8	8	21	0	8	56	36	8	14	13
4	0	11	22	25	b	268	8	24	9	12	9	21	16	26	1	24	14	8	21	25	0	8	58	38	8	15	11
4	16	11	20	26	c	269	8	25	8	20	10	4	27	1	2	18	37	9	4	29	0	9	0	38	8	16	8
4	40	11	10	27	d	270	8	26	7	28	10	17	37	36	3	13	0	9	17	33	0	9	2	39	8	17	5
5	12	11	5	28	e	271	8	27	6	37	11	0	48	11	4	7	23	10	0	37	0	9	4	39	8	18	2
5	36	11	0	29	f	272	8	28	5	47	11	13	58	46	5	11	46	10	13	41	0	9	6	40	8	18	59
5	29	10	56	30	g	273	8	29	4	53	11	27	9	21	5	26	9	10	26	45	0	9	8	41	8	19	56

Libra

hor	m
Li 1	7
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g	ch

Hor Noct 12 di 12

October

Dies mensis	Motus Jovis s	g	m	2a	Argum. Jovis s	g	m	Motus Martis s	g	m	2a	Argum. Martis s	g	m	Argum. Veneris s	g	m	Argum. Mercurii s	g	m	Motus capitis draconis s	g	m	2a
1	0	20	16	59	7	10	13	4	7	52	21	3	22	38	5	0	26	1	8	2	0	12	55	15
2	0	20	21	58	7	11	7	4	8	23	48	3	23	5	5	1	3	1	11	9	0	12	58	26
3	0	20	26	57	7	12	1	4	8	55	14	3	23	33	5	1	40	1	14	15	0	13	1	36
4	0	20	31	57	7	12	55	4	9	26	41	3	24	1	5	2	17	1	17	21	0	13	4	47
5	0	20	36	56	7	13	49	4	9	58	8	3	24	28	5	2	54	1	20	28	0	13	7	58
6	0	20	41	55	7	14	44	4	10	29	34	3	24	56	5	3	31	1	23	34	0	13	11	8
7	0	20	46	54	7	15	38	4	11	1	1	3	25	24	5	4	8	1	26	41	0	13	14	19
8	0	20	51	54	7	16	32	4	11	32	28	3	25	51	5	4	45	1	29	47	0	13	17	29
9	0	20	56	53	7	17	26	4	12	3	54	3	26	19	5	5	22	2	2	53	0	13	20	40
10	0	21	1	52	7	18	20	4	12	35	21	3	26	47	5	5	59	2	6	0	0	13	23	51
11	0	21	6	51	7	19	14	4	13	6	48	3	27	14	5	6	36	2	9	6	0	13	27	1
12	0	21	11	51	7	20	9	4	13	38	14	3	27	42	5	7	13	2	12	13	0	13	30	12
13	0	21	16	50	7	21	3	4	14	9	41	3	28	10	5	7	50	2	15	19	0	13	33	23
14	0	21	21	49	7	21	57	4	14	41	8	3	28	38	5	8	27	2	18	25	0	13	36	33
15	0	21	26	48	7	22	51	4	15	12	35	3	29	5	5	9	4	2	21	32	0	13	39	44
16	0	21	31	48	7	23	45	4	15	44	1	3	29	33	5	9	41	2	24	38	0	13	42	55
17	0	21	36	47	7	24	39	4	16	15	28	4	0	1	5	10	18	2	27	45	0	13	46	5
18	0	21	41	46	7	25	33	4	16	46	54	4	0	28	5	10	55	3	0	51	0	13	49	16
19	0	21	46	45	7	26	28	4	17	18	21	4	0	56	5	11	32	3	3	57	0	13	52	26
20	0	21	51	45	7	27	22	4	17	49	47	4	1	24	5	12	9	3	7	4	0	13	55	37
21	0	21	56	44	7	28	16	4	18	21	14	4	1	51	5	12	46	3	10	10	0	13	58	48
22	0	22	1	43	7	29	10	4	18	52	41	4	2	19	5	13	23	3	13	17	0	14	1	58
23	0	22	6	42	8	0	4	4	19	24	7	4	2	47	5	14	0	3	16	23	0	14	5	9
24	0	22	11	42	8	0	58	4	19	55	34	4	3	14	5	14	37	3	19	29	0	14	8	20
25	0	22	16	41	8	1	53	4	20	27	1	4	3	42	5	15	14	3	22	36	0	14	11	30
26	0	22	21	40	8	2	47	4	20	58	27	4	4	10	5	15	51	3	25	42	0	14	14	41
27	0	22	26	40	8	3	41	4	21	29	54	4	4	38	5	16	28	3	28	49	0	14	17	52
28	0	22	31	39	8	4	35	4	22	1	21	4	5	5	5	17	5	4	1	55	0	14	21	2
29	0	22	36	38	8	5	29	4	22	32	47	4	5	33	5	17	42	4	5	1	0	14	24	13
30	0	22	41	37	8	6	23	4	23	4	14	4	6	1	5	18	19	4	8	8	0	14	27	23

October

[illegible]	[illegible]	[illegible]	[illegible]	Dies mensis	Lre dnicales	Dies anni	Motus Solis				Motus Lune				Centrum Lune			Argumentum Lune			Motus Saturni				Argumentum Saturni		
h	m	h	m				S	g	m	2a	S	g	m	2a	S	g	m	S	g	m	S	g	m	2a	S	g	m
6	12	10	52	1	A	274	9	0	4	5	0	10	19	46	6	20	32	11	9	48	0	9	10	41	8	20	53
6	28	10	48	2	b	275	9	1	3	10	0	23	30	21	7	14	55	11	22	52	0	9	12	42	8	21	50
7	7	10	44	3	c	276	9	2	2	18	1	6	41	6	8	9	18	0	5	56	0	9	14	42	8	22	48
7	33	10	40	4	d	277	9	3	1	27	1	19	51	41	9	3	40	0	19	0	0	9	16	43	8	23	47
7	19	10	36	5	e	278	9	4	0	35	2	3	2	16	9	28	3	1	2	4	0	9	18	44	8	24	42
8	18	10	30	6	f	279	9	4	59	43	2	16	12	51	10	22	26	1	15	8	0	9	20	44	8	25	39
8	38	10	24	7	g	280	9	5	58	52	2	29	23	26	11	16	49	1	28	12	0	9	22	45	8	26	36
8	22	10	20	8	A	281	9	6	58	0	3	12	34	1	0	11	12	2	11	16	0	9	24	45	8	27	33
9	20	10	16	9	b	282	9	7	57	8	3	25	44	36	1	5	35	2	24	20	0	9	26	46	8	28	30
9	41	10	12	10	c	283	9	8	56	17	4	8	55	11	1	29	58	3	7	24	0	9	28	46	8	29	28
10	7	9	8	11	d	284	9	9	55	25	4	22	5	46	2	24	21	3	20	27	0	9	30	47	9	0	25
10	32	9	4	12	e	285	9	10	54	33	5	5	16	21	3	18	44	4	3	31	0	9	32	48	9	1	22
10	10	9	0	13	f	286	9	11	53	42	5	18	26	56	4	13	6	4	16	35	0	9	34	48	9	2	19
11	7	9	0	14	g	287	9	12	52	50	6	1	37	31	4	37	29	4	29	39	0	9	36	49	9	3	16
11	37	9	56	15	A	288	9	13	51	58	6	14	48	6	6	1	52	5	12	43	0	9	38	49	9	4	13
11	55	9	52	16	b	289	9	14	51	7	6	27	58	41	6	26	15	5	25	47	0	9	40	50	9	5	10
12	34	9	48	17	c	290	9	15	50	15	7	11	9	16	7	20	38	6	8	51	0	9	42	51	9	6	7
12	50	9	44	18	d	291	9	16	49	23	7	24	19	51	8	15	1	6	21	55	0	9	44	51	9	7	5
12	59	9	40	19	e	292	9	17	48	31	8	7	30	26	9	9	24	7	4	59	0	9	46	52	9	8	2
13	16	9	36	20	f	293	9	18	47	40	8	20	41	1	10	3	47	7	18	2	0	9	48	52	9	8	59
13	38	9	32	21	g	294	9	19	46	48	9	3	51	36	10	28	10	8	1	6	0	9	50	53	9	9	56
13	59	9	28	22	A	295	9	20	45	56	9	17	2	11	11	22	33	8	14	10	0	9	52	54	9	10	53
14	18	9	24	23	b	296	9	21	45	4	10	0	12	46	0	16	56	8	27	14	0	9	54	54	9	11	50
14	36	9	20	24	c	297	9	22	44	13	10	13	23	21	1	11	19	9	10	18	0	9	56	55	9	12	47
14	54	9	16	25	d	298	9	23	43	21	10	26	33	56	2	5	41	9	23	22	0	9	58	55	9	13	44
15	26	9	12	26	e	299	9	24	42	30	11	9	44	31	3	0	4	10	6	26	0	10	0	56	9	14	42
15	34	9	8	27	f	300	9	25	41	38	11	22	55	6	3	24	27	10	19	30	0	10	2	56	9	15	39
15	52	9	4	28	g	301	9	26	40	46	0	6	5	41	4	18	50	11	2	34	0	10	4	57	9	16	36
16	10	9	0	29	A	302	9	27	39	55	0	19	16	16	5	13	13	11	15	38	0	10	6	58	9	17	33
16	27	9	0	30	b	303	9	28	39	3	1	2	26	51	6	7	36	11	28	41	0	10	8	58	9	18	30
16	47	8	56	31	c	304	9	29	38	11	1	15	37	26	7	1	59	0	11	45	0	10	10	59	9	19	27

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11	5	37
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October

Dies	Motus Jovis				Argumentum Jovis			Motus Martis				Argumentum Martis			Argumentum Veneris			Argumentum Mercurii			Motus capitis draconis			
	S	G	M	2a	S	G	M	S	G	M	2a	S	G	M	S	G	M	S	G	M	S	G	M	2a
1	0	22	46	37	8	7	17	4	23	35	41	4	6	28	5	18	56	4	11	14	0	14	30	34
2	0	22	51	36	8	8	12	4	24	7	7	4	6	56	5	19	33	4	14	21	0	14	33	45
3	0	22	56	35	8	9	6	4	24	38	34	4	7	24	5	20	10	4	17	27	0	14	36	55
4	0	23	1	34	8	10	0	4	25	10	1	4	7	52	5	20	46	4	20	33	0	14	40	6
5	0	23	6	34	8	10	55	4	25	41	27	4	8	19	5	21	23	4	23	40	0	14	43	17
6	0	23	11	33	8	11	48	4	26	12	54	4	8	47	5	22	0	4	26	46	0	14	46	27
7	0	23	16	32	8	12	42	4	26	44	20	4	9	15	5	22	37	4	29	53	0	14	49	38
8	0	23	21	31	8	13	36	4	27	15	47	4	9	42	5	23	14	5	2	59	0	14	52	49
9	0	23	26	31	8	14	31	4	27	47	14	4	10	10	5	23	51	5	6	5	0	14	55	59
10	0	23	31	30	8	15	25	4	28	18	40	4	10	38	5	24	28	5	9	12	0	14	59	10
11	0	23	36	29	8	16	19	4	28	50	7	4	11	5	5	25	5	5	12	18	0	15	2	20
12	0	23	41	28	8	17	13	4	29	21	34	4	11	33	5	25	42	5	15	25	0	15	5	31
13	0	23	46	28	8	18	7	4	29	53	0	4	12	1	5	26	19	5	18	31	0	15	8	42
14	0	23	51	27	8	19	1	5	0	24	27	4	12	28	5	26	26	5	21	37	0	15	11	52
15	0	23	56	26	8	19	56	5	0	55	54	4	12	56	5	27	33	5	24	44	0	15	15	3
16	0	24	1	25	8	20	50	5	1	27	20	4	13	24	5	28	10	5	27	50	0	15	18	14
17	0	24	6	25	8	21	44	5	1	58	47	4	13	51	5	28	47	6	0	57	0	15	21	24
18	0	24	11	24	8	22	38	5	2	30	14	4	14	19	5	29	24	6	4	3	0	15	24	35
19	0	24	6	23	8	23	32	5	3	1	40	4	14	47	6	0	1	6	7	9	0	15	27	46
20	0	24	21	22	8	24	26	5	3	33	7	4	15	15	6	0	38	6	10	16	0	15	30	56
21	0	24	26	22	8	25	20	5	4	4	33	4	15	42	6	1	15	6	13	22	0	15	34	7
22	0	24	31	21	8	26	15	5	4	36	0	4	16	10	6	1	52	6	16	29	0	15	37	17
23	0	24	36	20	8	27	9	5	5	7	27	4	16	38	6	2	29	6	19	35	0	15	40	28
24	0	24	41	19	8	28	3	5	5	38	53	4	17	5	6	3	6	6	22	41	0	15	43	39
25	0	24	46	19	8	28	57	5	6	10	20	4	17	33	6	3	43	6	25	48	0	15	46	49
26	0	24	51	18	8	29	51	5	6	41	47	4	18	1	6	4	20	6	28	54	0	15	50	0
27	0	24	56	17	9	0	45	5	7	13	13	4	18	28	6	4	57	7	2	1	0	15	53	11
28	0	25	1	17	9	1	39	5	7	44	40	4	18	56	6	5	34	7	5	7	0	15	56	21
29	0	25	6	16	9	2	34	5	8	16	7	4	19	24	6	6	11	7	8	13	0	15	59	32
30	0	25	11	15	9	3	28	5	8	47	33	4	19	51	6	6	48	7	11	20	0	16	2	42
31	0	25	16	14	9	4	22	5	9	19	0	4	20	19	6	7	25	7	14	26	0	16	5	53

Orrup
Nouember

Sagitarius — Ho. m. — Sa 19 27 — 29 5 — 56 m

Hore diei	Solis M	Hore noctis	M	Dies mensis	Littere dnicales	Dies anni	Motus Solis S	G	M	2	Motus Lune S	G	M	2	Centrum Lune S	G	M	Argumentum Lune S	G	M	Motus Saturni S	G	M	2	Argumentum Saturni S	G	M
17	0	8	52	1	d	305	10	0	37	20	1	28	48	1	7	26	21	0	24	49	0	10	12	49	9	20	24
17	20	8	48	2	e	306	10	1	36	28	2	11	58	36	8	20	44	1	7	53	0	10	15	0	9	21	21
17	36	8	44	3	f	307	10	2	35	36	2	25	9	11	9	15	7	1	20	57	0	10	17	1	9	22	19
17	50	8	40	4	g	308	10	3	34	44	3	8	19	46	10	9	30	2	4	1	0	10	19	1	9	23	16
18	10	8	66	5	A	309	10	4	33	52	3	21	30	21	11	3	53	2	17	5	0	10	21	2	9	24	13
18	24	8	34	6	b	310	10	5	33	1	4	4	40	56	11	28	16	3	0	9	0	10	23	2	9	25	10
18	40	8	32	7	c	311	10	6	32	10	4	17	51	31	0	22	39	3	13	13	0	10	25	3	9	26	7
19	0	8	30	8	d	312	10	7	31	18	5	1	2	7	1	17	2	3	26	17	0	10	27	4	9	27	4
19	10	8	24	9	e	313	10	8	30	26	5	14	12	42	2	11	25	4	9	20	0	10	29	4	9	28	1
19	18	8	22	10	f	314	10	9	29	34	5	27	23	17	3	5	48	4	22	24	0	10	31	5	9	28	58
19	36	8	18	11	g	315	10	10	28	42	6	10	33	52	4	0	10	5	5	28	0	10	33	5	9	29	56
19	50	8	16	12	A	316	10	11	27	51	6	23	44	27	4	24	33	5	18	32	0	10	35	6	10	0	53
20	10	8	14	13	b	317	10	12	27	0	7	6	55	2	5	18	56	6	1	36	0	10	37	6	10	1	50
20	17	8	12	14	c	318	10	13	26	8	7	20	5	37	6	13	19	6	14	40	0	10	39	7	10	2	47
20	30	8	10	15	d	319	10	14	25	16	8	3	16	2	7	7	42	6	27	44	0	10	41	8	10	3	44
20	40	8	8	16	e	320	10	15	24	25	8	16	26	47	8	2	5	7	10	48	0	10	43	8	10	4	41
20	57	8	6	17	f	321	10	16	23	33	8	29	37	22	8	26	28	7	23	52	0	10	45	9	10	5	38
21	7	8	5	18	g	322	10	17	22	41	9	12	47	57	9	20	51	8	6	56	0	10	47	9	10	6	36
21	18	8	2	19	A	323	10	18	21	50	9	25	58	32	10	15	13	8	19	59	0	10	49	10	10	7	33
21	28	8	0	20	b	324	10	19	20	58	10	9	9	7	11	9	36	9	3	3	0	10	51	11	10	8	30
21	4	8	0	21	c	325	10	20	20	6	10	22	19	42	0	3	59	9	16	7	0	10	53	11	10	9	27
21	49	7	58	22	d	326	10	21	19	15	11	5	30	17	0	28	22	9	29	11	0	10	55	12	10	10	24
21	59	7	56	23	e	327	10	22	18	23	11	18	40	52	1	22	44	10	12	15	0	10	57	12	10	11	21
22	7	7	54	24	f	328	10	23	17	31	0	1	51	27	2	17	8	10	25	19	0	10	59	13	10	12	18
22	17	7	52	25	g	329	10	24	16	40	0	15	2	2	3	11	31	11	8	23	0	11	1	14	10	13	15
22	28	7	51	26	A	330	10	25	15	48	0	28	12	37	4	5	54	11	21	27	0	11	3	14	10	14	13
22	30	7	50	27	b	331	10	26	14	56	1	11	23	12	5	0	17	0	4	31	0	11	5	15	10	15	10
22	40	7	49	28	c	332	10	27	14	5	1	24	33	47	5	24	39	0	17	35	0	11	7	15	10	16	7
22	57	7	48	29	d	333	10	28	13	13	2	7	44	22	6	19	2	1	0	38	0	11	9	16	10	17	4
22	53	7	47	30	e	334	10	29	12	[illegible]	2	20	54	57	7	13	25	1	13	42	0	11	11	16	10	18	1

Hore Noct[is] 16 Di 8

Mensis

Dies mensis	Motus Jovis				Argumentum Jovis			Motus Martis				Argumentum Martis			Argumentum veneris			Argumentum Mercurii			Motus capitis draconis			
	S	G	M	2a	S	G	M	S	G	M	2a	S	G	M	S	G	M	S	G	M	S	G	M	2a
1	0	25	21	14	9	5	16	5	9	50	27	4	20	47	6	8	2	7	17	33	0	16	9	4
2	0	25	26	13	9	6	10	5	10	21	53	4	21	15	6	8	39	7	20	39	0	16	12	15
3	0	25	31	12	9	7	4	5	10	53	20	4	21	42	6	9	16	7	23	46	0	16	15	25
4	0	25	36	11	9	7	59	5	11	24	46	4	22	10	6	9	53	7	26	52	0	16	18	36
5	0	25	41	11	9	8	53	5	11	56	13	4	22	38	6	10	30	7	29	58	0	16	21	46
6	0	25	46	10	9	9	47	5	12	27	40	4	23	5	6	11	7	8	3	5	0	16	24	57
7	0	25	51	9	9	10	41	5	12	59	6	4	23	33	6	11	44	8	6	11	0	16	28	8
8	0	25	56	8	9	11	35	5	13	30	33	4	24	1	6	12	21	8	9	17	0	16	31	18
9	0	26	1	8	9	12	29	5	14	2	0	4	24	28	6	12	58	8	12	24	0	16	34	29
10	0	26	6	7	9	13	23	5	14	33	26	4	24	56	6	13	35	8	15	30	0	16	37	39
11	0	26	11	6	9	14	18	5	15	4	53	4	25	24	6	14	12	8	18	37	0	16	40	50
12	0	26	16	5	9	15	12	5	15	36	20	4	25	52	6	14	49	8	21	43	0	16	44	1
13	0	26	21	5	9	16	6	5	16	7	46	4	26	19	6	15	26	8	24	49	0	16	47	11
14	0	26	26	4	9	17	0	5	16	39	13	4	26	47	6	16	3	8	27	56	0	16	50	22
15	0	26	31	3	9	17	54	5	17	10	40	4	27	15	6	16	40	9	1	2	0	16	53	33
16	0	26	36	2	9	18	48	5	17	42	6	4	27	42	6	17	17	9	4	9	0	16	56	43
17	0	26	41	2	9	19	43	5	18	13	33	4	28	10	6	17	54	9	7	15	0	16	59	54
18	0	26	46	1	9	20	37	5	18	45	0	4	28	38	6	18	31	9	10	21	0	17	3	5
19	0	26	51	0	9	21	31	5	19	16	26	4	29	5	6	19	8	9	13	28	0	17	6	15
20	0	26	55	59	9	22	25	5	19	47	53	4	29	33	6	19	45	9	16	34	0	17	9	26
21	0	27	0	59	9	23	19	5	20	19	19	5	0	1	6	20	22	9	19	41	0	17	12	36
22	0	27	5	58	9	24	13	5	20	50	46	5	0	28	6	20	59	9	22	47	0	17	15	47
23	0	27	10	57	9	25	7	5	21	22	13	5	0	56	6	21	36	9	25	54	0	17	18	58
24	0	27	15	57	9	26	2	5	21	53	39	5	1	24	6	22	13	9	29	0	0	17	22	8
25	0	27	20	56	9	26	56	5	22	25	6	5	1	52	6	22	50	10	2	6	0	17	25	19
26	0	27	25	55	9	27	50	5	22	56	33	5	2	19	6	23	27	10	5	13	0	17	28	30
27	0	27	30	54	9	28	44	5	23	27	59	5	2	47	6	24	4	10	8	19	0	17	31	41
28	0	27	35	54	9	29	38	5	23	59	26	5	2	15	6	24	41	10	11	26	0	17	34	51
29	0	27	40	53	10	0	32	5	24	30	53	5	2	42	6	25	18	10	14	32	0	17	38	2
30	0	27	45	52	10	1	26	5	25	2	19	5	4	10	6	25	55	10	17	39	0	17	41	12

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December

Altitudo Solis		Hora		Dies mensis	Littere dominicales	Dies anni	Motus Solis				Motus lune				Centrum lune			Argumentum lune			Motus Saturni				Argumentum Saturni		
g	m	h	m				S	g	m	2	S	g	m	2	S	g	m	S	g	m	S	g	m	2	S	g	m
22	19	7	46	1	f	335	11	0	11	30	3	4	5	32	8	7	48	1	26	46	0	11	13	17	10	18	58
23	7	7	41	2	g	336	11	1	10	38	3	17	16	7	9	2	11	2	9	50	0	11	15	18	10	19	55
23	9	7	43	3	A	337	11	2	9	46	4	0	26	42	9	26	34	2	22	54	0	11	17	18	10	20	52
23	12	7	32	4	b	338	11	3	8	55	4	13	37	17	10	20	57	3	5	58	0	11	19	19	10	21	50
23	17	7	40	5	c	339	11	4	8	3	4	26	47	52	11	15	20	3	19	2	0	11	21	19	10	22	47
23	21	7	39	6	d	340	11	5	7	11	5	9	58	27	0	9	43	4	2	6	0	11	23	20	10	23	44
23	24	7	38	7	e	341	11	6	6	20	5	23	9	2	1	4	5	4	15	10	0	11	25	21	10	24	41
23	26	7	36	8	f	342	11	7	5	28	6	6	19	37	1	28	28	4	28	14	0	11	27	21	10	25	38
23	28	7	35	9	g	343	11	8	4	36	6	19	30	12	2	22	51	5	11	17	0	11	29	22	10	26	35
23	30	7	34	10	A	344	11	9	3	44	7	2	40	47	3	17	14	5	24	21	0	11	31	22	10	27	33
23	32	7	32	11	b	345	11	10	2	53	7	15	51	22	4	11	37	6	7	25	0	11	33	23	10	28	29
23	33	7	31	12	c	346	11	11	2	1	7	29	1	57	5	6	0	6	20	29	0	11	35	24	10	29	27
23	33	7	30	13	d	347	11	12	1	9	8	12	12	32	6	0	22	7	3	33	0	11	37	24	11	0	24
22	33	7	29	14	e	348	11	13	0	18	8	[illegible]	23	7	6	24	46	7	16	37	0	11	39	25	11	1	21
23	32	7	28	15	f	349	11	13	59	26	9	8	33	42	7	19	9	7	29	41	0	11	41	25	11	2	18
23	31	7	28	16	g	350	11	14	58	34	9	21	44	17	8	13	31	8	12	45	0	11	43	26	11	3	15
23	29	7	29	17	A	351	11	15	57	43	10	4	54	52	9	7	55	8	25	49	0	11	45	26	11	4	12
22	27	7	30	18	b	352	11	16	56	51	10	18	5	27	10	2	17	9	8	53	0	11	47	27	11	5	9
23	24	7	30	19	c	353	11	17	55	59	11	1	16	2	10	26	40	9	21	56	0	11	49	28	11	6	7
23	20	7	30	20	d	354	11	18	55	8	11	14	26	37	11	21	3	10	5	0	0	11	51	28	11	7	4
33	18	7	30	21	e	355	11	19	54	16	11	27	37	12	0	15	26	10	18	4	0	11	53	29	11	8	1
23	14	7	32	22	f	356	11	20	53	24	0	10	47	47	1	9	49	11	1	8	0	11	55	29	11	8	58
23	10	7	32	23	g	357	11	21	52	33	0	23	58	22	2	4	12	11	14	12	0	11	57	30	11	9	55
23	6	7	33	24	A	358	11	22	51	41	1	7	8	57	2	28	35	11	27	16	0	11	59	31	11	10	52
23	1	7	34	25	b	359	11	23	50	49	1	20	19	32	3	22	57	0	10	20	0	12	1	31	11	11	49
22	54	7	35	26	c	360	11	24	49	58	2	3	30	[illegible]	4	17	20	0	23	24	0	12	3	32	11	12	46
22	33	7	36	27	d	361	11	25	48	6	2	16	40	42	5	11	43	1	6	28	0	12	5	33	11	13	44
22	26	7	37	28	e	362	11	26	48	14	2	29	51	18	6	6	6	1	19	32	0	12	7	33	11	14	41
22	19	7	38	29	f	363	11	27	47	23	3	13	1	53	7	0	29	2	2	36	0	12	9	34	11	15	38
22	10	7	40	30	g	364	11	28	46	31	3	26	12	28	7	24	52	2	15	39	0	12	11	34	11	16	35
22	3	7	40	31	A	365	11	29	45	39	4	9	23	3	8	19	15	2	28	43	0	12	13	35	11	17	32

Capricornus
Hora m
Cap 3 | 21
10 8 31
h m 2

Hore Noctis 18 dies 6

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December

Dies mensis	Motus Jovis				Argti Jovis			Motus Martis				Argum Martis			Argu ti veneris			Arg ti Mercurii			Motus ca ti draconis			
S	S	G	M	2a	S	G	M	S	G	M	2a	S	G	M	S	G	M	S	G	M	S	G	M	2a
1	0	27	50	51	10	2	21	5	25	33	46	5	4	38	6	26	32	10	20	45	0	17	44	23
2	0	27	55	51	10	3	15	5	26	5	13	5	5	5	6	27	9	10	23	51	0	17	47	33
3	0	28	0	50	10	4	9	5	26	36	39	5	5	33	6	27	46	10	26	58	0	17	50	42
4	0	28	5	49	10	5	3	5	27	8	6	5	6	1	6	28	23	11	0	4	0	17	53	55
5	0	28	10	48	10	5	57	5	27	39	32	5	6	29	6	29	0	11	3	10	0	17	57	5
6	0	28	15	48	10	6	51	5	28	10	59	5	6	56	6	29	37	11	6	17	0	18	0	16
7	0	28	20	47	10	7	46	5	28	42	26	5	7	24	7	0	14	11	9	23	0	18	3	27
8	0	28	25	46	10	8	40	5	29	13	52	5	7	52	7	0	51	11	12	30	0	18	6	34
9	0	28	30	45	10	9	34	5	29	45	19	5	8	19	7	1	28	11	15	36	0	18	9	48
10	0	28	35	45	10	10	28	6	0	16	46	5	8	47	7	2	5	11	18	42	0	18	12	59
11	0	28	40	44	10	11	22	6	0	48	12	5	9	15	7	2	42	11	21	49	0	18	16	9
12	0	28	45	43	10	12	16	6	1	19	39	5	9	42	7	3	19	11	24	55	0	18	19	20
13	0	28	50	42	10	13	10	6	1	51	6	5	10	10	7	3	56	11	28	2	0	18	22	30
14	0	28	55	42	10	14	5	6	2	22	32	5	10	38	7	4	33	0	1	8	0	18	25	41
15	0	29	0	41	10	14	59	6	2	53	59	5	11	5	7	5	10	0	4	14	0	18	28	52
16	0	29	5	40	10	15	53	6	3	25	26	5	11	33	7	5	47	0	7	21	0	18	32	2
17	0	29	10	39	10	16	47	6	3	56	52	5	12	1	7	6	24	0	10	27	0	18	35	13
18	0	29	15	39	10	17	41	6	4	28	19	5	12	29	7	7	1	0	13	34	0	18	38	24
19	0	29	20	38	10	18	35	6	4	59	45	5	12	56	7	7	38	0	16	40	0	18	41	34
20	0	29	25	37	10	19	30	6	5	31	12	5	13	24	7	8	15	0	19	46	0	18	44	45
21	0	29	30	36	10	20	24	6	6	2	39	5	13	52	7	8	52	0	22	53	0	18	47	56
22	0	29	35	36	10	21	18	6	6	34	5	5	14	19	7	9	29	0	25	59	0	18	51	6
23	0	29	40	35	10	22	12	6	7	5	32	5	14	47	7	10	6	0	29	6	0	18	54	17
24	0	29	45	34	10	23	6	6	7	36	59	5	15	15	7	10	43	1	2	12	0	18	57	27
25	0	29	50	33	10	24	0	6	8	8	25	5	15	42	7	11	20	1	5	18	0	19	0	38
26	0	29	55	33	10	24	54	6	8	39	52	5	16	10	7	11	57	1	8	25	0	19	3	49
27	1	0	0	32	10	25	49	6	9	11	19	5	16	38	7	12	34	1	11	31	0	19	6	59
28	1	0	5	31	10	26	43	6	9	42	45	5	17	5	7	13	11	1	14	38	0	19	10	10
29	1	0	10	30	10	27	37	6	10	14	12	5	17	33	7	13	48	1	17	44	0	19	13	21
30	1	0	15	30	10	28	31	6	10	45	39	5	18	1	7	14	25	1	20	50	0	19	16	31
31	1	0	20	29	10	29	25	6	11	17	5	5	18	29	7	15	2	1	23	57	0	19	19	42

Tabula Motuum planetarum in horis

Hore	Motus Solis			Motus lune			Centrum lune			Argumentum lune			Motus capitis draconis			Motus Saturni		
	g	m	2a	g	m	2a	g	m	2a	g	m	2a	g	m	2a	g	m	2a
1	0	2	28	0	32	56	1	0	57	0	32	40	0	0	8	0	0	5
2	0	4	56	1	5	53	2	1	54	1	5	19	0	0	16	0	0	10
3	0	7	24	1	38	49	3	2	52	1	38	59	0	0	24	0	0	15
4	0	9	52	2	11	46	4	3	49	2	10	39	0	0	32	0	0	20
5	0	12	19	2	44	42	5	4	46	2	43	19	0	0	40	0	0	25
6	0	14	47	3	17	39	6	5	43	3	15	58	0	0	48	0	0	30
7	0	17	15	3	50	35	7	6	41	3	48	38	0	0	56	0	0	35
8	0	19	43	4	23	32	8	7	38	4	21	18	0	1	4	0	0	40
9	0	22	11	4	56	28	9	8	35	4	53	58	0	1	12	0	0	45
10	0	24	38	5	29	25	10	9	32	5	26	37	0	1	19	0	0	50
11	0	27	6	6	2	21	11	10	29	5	59	17	0	1	27	0	0	55
12	0	29	34	6	35	18	12	11	27	6	31	57	0	1	35	0	1	0
13	0	32	2	7	8	14	13	12	24	7	4	37	0	1	43	0	1	5
14	0	34	30	7	41	10	14	13	21	7	37	16	0	1	51	0	1	10
15	0	36	58	8	14	7	15	14	18	8	9	56	0	1	59	0	1	15
16	0	39	26	8	47	3	16	15	16	8	42	36	0	2	7	0	1	20
17	0	41	53	9	20	0	17	16	13	9	15	16	0	2	15	0	1	25
18	0	44	21	9	52	56	18	17	10	9	47	55	0	2	23	0	1	30
19	0	46	49	10	25	53	19	18	7	10	20	35	0	2	31	0	1	34
20	0	49	17	10	58	49	20	19	4	10	53	15	0	2	39	0	1	40
21	0	51	47	11	31	46	21	20	2	11	25	54	0	2	47	0	1	45
22	0	54	13	12	4	42	22	20	59	11	58	34	0	2	55	0	1	50
23	0	56	40	12	37	39	23	21	56	12	31	14	0	3	3	0	1	56
24	0	59	8	13	10	35	24	22	53	13	3	54	0	3	11	0	2	1
25	1	1	36	13	43	31	25	23	51	13	36	34	0	3	19	0	2	6
26	1	4	4	14	16	28	26	24	48	14	9	13	0	3	27	0	2	11
27	1	6	32	14	49	24	27	25	45	14	41	53	0	3	35	0	2	16
28	1	9	0	15	22	21	28	26	42	15	14	33	0	3	43	0	2	21
29	1	11	27	15	55	17	29	27	39	15	47	13	0	3	51	0	2	26
30	1	13	55	16	28	14	30	28	37	16	19	52	0	3	58	0	2	31
	m	m	2	3	m	2	3	m	2	3	m	2	3	m	2	3	m	2	3
	2	3	3		2	3		2	3		2	3		2	3		2	3	

Residuum tabule precedentis

Dies	Argumentum Saturni			Motus Jovis			Argumentum Jovis			Motus Martis			Argumentum Martis			Argumentum Veneris			Argumentum Mercurii		
	S	G	M	S	G	M	S	G	M	S	G	M	S	G	M	S	G	M	S	G	M
1	0	2	23	0	0	12	0	2	15	0	1	18	0	1	9	0	1	32	0	7	46
2	0	4	46	0	0	25	0	4	31	0	2	37	0	2	18	0	3	5	0	15	32
3	0	7	8	0	0	37	0	6	46	0	3	56	0	3	28	0	4	37	0	23	18
4	0	9	31	0	0	50	0	9	2	0	5	14	0	4	37	0	6	10	0	31	4
5	0	11	54	0	1	2	0	11	17	0	6	33	0	5	46	0	7	42	0	38	50
6	0	14	17	0	1	15	0	13	32	0	7	52	0	6	55	0	9	15	0	46	36
7	0	16	40	0	1	27	0	15	48	0	9	10	0	8	5	0	10	47	0	54	22
8	0	19	3	0	1	40	0	18	3	0	10	29	0	9	14	0	12	20	1	2	8
9	0	21	25	0	1	52	0	20	17	0	11	48	0	10	23	0	13	52	1	9	54
10	0	23	48	0	2	5	0	22	34	0	13	6	0	11	32	0	15	25	1	17	40
11	0	26	11	0	2	17	0	24	49	0	14	25	0	12	42	0	16	57	1	25	26
12	0	28	34	0	2	30	0	27	5	0	15	43	0	13	51	0	18	30	1	33	12
13	0	30	57	0	2	42	0	29	20	0	17	2	0	15	0	0	20	2	1	40	58
14	0	33	20	0	2	55	0	31	35	0	18	21	0	16	9	0	21	35	1	48	44
15	0	35	42	0	3	7	0	33	51	0	19	39	0	17	19	0	23	7	1	56	30
16	0	38	5	0	3	20	0	36	6	0	20	58	0	18	28	0	24	40	2	4	16
17	0	40	28	0	3	32	0	38	21	0	22	16	0	19	37	0	26	12	2	12	2
18	0	42	51	0	3	44	0	40	37	0	23	35	0	20	46	0	27	45	2	19	48
19	0	45	14	0	3	57	0	42	52	0	24	54	0	21	55	0	29	17	2	27	34
20	0	47	36	0	4	9	0	45	8	0	26	12	0	23	5	0	30	50	2	35	20
21	0	49	59	0	4	22	0	47	23	0	27	31	0	24	14	0	32	22	2	43	6
22	0	52	22	0	4	34	0	49	38	0	28	49	0	25	23	0	33	55	2	50	52
23	0	54	45	0	4	47	0	51	54	0	30	8	0	26	32	0	35	27	2	58	38
24	0	57	8	0	4	59	0	54	9	0	31	27	0	27	42	0	36	59	3	6	24
25	0	59	30	0	5	12	0	56	24	0	32	45	0	28	51	0	38	32	3	14	10
26	1	1	53	0	5	24	0	58	39	0	34	4	0	30	0	0	40	4	3	21	46
27	1	4	16	0	5	37	1	0	55	0	35	22	0	31	9	0	41	37	3	29	42
28	1	6	39	0	5	49	1	3	10	0	36	41	0	32	19	0	43	9	3	37	28
29	1	9	2	0	6	1	1	5	26	0	38	0	0	33	28	0	44	42	3	45	14
30	1	11	25	0	6	14	1	7	41	0	39	18	0	34	37	0	46	14	3	53	0

Tabula motuum planetarum ad annos expansos et collectos

Anni expansi collecti	Motus solis					Motus lune					Centrum lune				Argumentum lune				Motus Saturni				
	S	G	M	2	3	S	G	M	2	3	S	G	M	2	S	G	M	2	S	G	M	2	3
1	11	29	45	39	22	4	9	23	2	37	8	19	14	47	2	28	43	15	0	12	13	34	42
2	11	29	31	18	44	8	18	46	5	14	5	8	29	33	5	27	26	30	0	24	27	4	24
3	11	29	16	58	6	0	28	9	7	51	1	27	44	20	8	26	9	45	1	6	40	44	8
4	0	0	1	45	48	5	20	42	45	31	11	11	21	19	0	7	56	13	1	18	56	19	25
5	11	29	47	25	10	10	0	5	48	8	8	0	36	46	3	6	40	8	2	1	9	54	8
6	11	29	33	4	32	2	9	28	50	47	4	19	55	32	6	5	23	23	2	13	23	18	50
7	11	29	18	43	54	6	18	51	53	23	1	9	6	19	9	4	6	38	2	25	37	3	31
8	0	0	3	31	36	11	11	55	31	1	10	22	43	29	0	17	53	47	3	7	32	38	11
9	11	29	49	10	18	1	20	48	33	39	7	11	58	41	3	14	37	1	3	20	6	13	33
10	11	29	34	50	20	8	0	11	36	16	4	1	13	32	6	13	20	16	4	2	19	48	16
11	11	29	20	29	42	0	9	34	38	54	0	20	28	18	9	12	3	31	4	14	33	22	58
12	0	0	5	17	23	5	2	8	16	32	10	4	5	58	0	23	50	40	4	26	48	58	16
13	11	29	50	56	41	9	11	31	19	10	6	23	27	45	3	22	33	55	5	9	2	32	58
14	11	29	36	36	7	1	20	41	11	47	3	12	35	31	6	21	17	10	5	21	16	7	41
15	11	29	22	17	29	6	0	17	24	24	0	1	50	18	9	20	0	24	6	3	29	42	25
16	0	0	7	3	11	10	22	51	2	3	9	57	27	48	1	1	47	33	6	17	41	17	41
17	11	29	52	42	33	3	2	14	4	40	6	4	42	44	4	0	30	48	6	27	48	52	24
18	11	29	38	21	55	7	11	37	7	18	2	23	57	31	6	29	19	3	7	10	12	27	6
19	11	29	24	1	17	11	21	0	9	55	11	13	21	7	9	27	57	18	7	22	26	5	49
20	0	0	8	48	59	4	13	33	47	34	8	26	49	57	1	9	44	26	8	4	41	37	7
40	0	0	17	37	58	8	27	7	35	7	5	23	39	34	2	19	58	53	4	9	23	14	14
60	0	0	26	26	56	1	10	41	22	41	2	20	29	52	3	29	13	19	0	14	4	51	20
80	0	0	35	15	55	5	24	17	10	17	11	17	19	49	5	8	53	45	8	18	46	28	26
100	0	0	44	4	54	10	7	48	17	49	8	14	9	46	6	18	42	12	4	23	28	5	33
200	0	1	28	9	48	8	17	37	55	37	4	28	19	33	1	7	24	23	9	16	56	11	6
300	0	2	12	14	42	6	23	26	13	26	1	12	29	18	7	26	6	51	2	10	24	16	39
400	0	2	56	19	35	5	1	55	51	17	9	26	39	3	2	14	48	47	7	3	52	22	13
500	0	3	44	24	29	3	4	4	49	3	6	10	48	49	9	3	30	19	11	27	20	27	46
600	0	4	24	29	13	1	16	53	46	52	2	24	58	35	3	22	13	10	4	20	48	33	19
700	0	5	8	34	17	11	24	42	44	40	11	9	8	21	10	10	55	23	9	19	16	38	51
800	0	5	52	39	11	10	3	31	42	29	7	23	18	7	4	29	37	34	2	7	44	44	25
900	0	6	36	44	5	8	10	20	40	[illegible]	4	7	27	52	11	18	19	47	7	1	12	49	58
1000	0	7	6	48	59	6	18	9	38	16	0	21	37	38	6	7	5	17	0	24	44	55	31
2000	0	14	13	37	57	1	6	19	16	13	1	13	17	16	0	14	3	55	11	19	21	51	3

Residuum tabule precedentis

Anni collecti et expansi	Radix Saturni S	G	M	2	Motus Saturni S	G	M	2	3	Radix Jovis S	G	M	2	Motus Martis S	G	M	2	3	Radix Martis S	G	M	2
1	11	17	32	5	1	0	20	29	0	10	29	21	18	6	11	17	5	14	5	18	28	34
2	11	5	4	9	2	0	40	58	0	9	28	50	21	0	22	34	10	28	11	6	57	8
3	10	22	36	14	3	1	1	27	0	8	28	57	31	7	3	11	11	42	4	25	55	42
4	10	11	5	26	4	1	26	55	15	7	28	34	11	1	11	39	44	34	10	4	51	58
5	9	28	37	31	5	1	47	24	15	6	28	0	1	7	26	16	52	48	4	2	50	32
6	9	16	9	36	6	2	7	53	15	5	27	55	11	2	8	13	58	2	9	21	19	6
7	9	3	41	40	7	2	28	22	15	4	26	50	22	8	19	31	3	16	3	9	47	40
8	8	22	10	43	8	2	43	50	31	3	27	9	41	3	1	19	37	8	8	28	43	56
9	8	9	42	57	9	3	14	19	31	2	26	34	51	9	12	36	40	22	2	17	12	31
10	7	27	15	2	10	3	34	48	31	1	26	0	2	3	23	13	47	36	8	5	41	5
11	7	14	47	7	1	3	51	17	31	0	25	25	12	10	5	10	50	50	1	24	9	39
12	7	3	16	19	0	4	20	47	46	11	25	44	31	4	16	59	22	42	7	13	5	55
13	6	20	48	24	1	4	41	14	46	10	25	9	42	10	28	16	27	56	1	1	34	29
14	6	8	20	29	2	5	1	43	46	9	24	34	52	5	9	33	33	10	6	20	3	3
15	5	25	52	33	3	5	22	12	46	8	24	0	3	11	20	50	38	24	0	8	31	37
16	5	12	21	46	4	5	47	41	2	7	24	19	22	6	2	39	10	16	5	27	27	13
17	5	1	55	40	5	6	8	10	2	6	23	[illegible]	33	0	13	56	51	30	11	[illegible]	56	27
18	4	19	27	57	6	6	28	39	2	5	23	9	43	6	27	13	20	44	5	4	25	1
19	4	6	48	0	7	6	49	8	2	4	22	39	13	1	6	30	57	58	10	22	13	35
20	3	25	27	52	8	7	14	36	15	3	22	17	53	7	18	18	57	50	9	11	49	15
40	7	20	54	24	4	14	29	12	37	7	17	38	25	3	6	37	55	40	8	23	39	42
60	11	16	21	36	0	21	43	50	12	11	8	52	38	10	24	56	13	30	1	5	29	33
80	13	11	48	47	8	28	58	25	9	3	1	36	51	6	13	55	51	21	5	17	19	25
100	7	7	55	49	5	6	13	[illegible]	56	6	24	31	3	2	1	34	49	11	9	29	9	16
200	2	19	31	59	10	12	26	2	53	1	19	[illegible]	7	4	3	9	38	22	7	28	18	31
300	9	21	47	58	3	18	39	4	19	8	13	33	10	6	4	47	27	32	5	27	27	47
400	9	29	3	57	8	24	52	4	41	3	8	4	17	8	6	19	16	43	3	26	37	3
500	0	20	19	57	2	1	5	7	12	10	2	32	17	10	7	54	5	54	1	25	46	19
600	7	13	35	46	7	7	18	8	38	4	27	6	21	0	9	28	55	5	11	27	55	34
700	2	27	51	55	0	13	31	10	4	11	21	31	24	2	11	3	47	51	9	24	4	50
800	9	28	7	55	5	19	44	11	20	6	16	8	28	4	12	38	33	26	7	23	19	6
900	5	5	23	54	10	21	57	12	57	1	10	39	31	6	14	13	22	37	5	22	23	21
1000	0	12	39	53	4	2	10	17	23	8	5	10	35	8	15	48	11	48	3	20	27	37
2000	0	25	19	47	8	4	20	28	46	4	10	21	9	5	1	36	22	35	7	13	41	19

Residuum thable pardet de motibus plans [illegible]

[illegible]	De m. verl.				Argum[entum]				Medius motus					[illegible]				Chatris pallas fixus				
	S	g	m	2	S	g	m	2	S	g	m	2	3	S	g	m	2	S	g	m	2	3
1	7	11	1	42	1	23	56	47	0	14	14	41	54	0	0	3	5	0	0	0	26	26
2	3	0	3	23	3	17	53	34	1	8	39	23	48	0	0	6	10	0	0	0	52	52
3	10	11	5	5	5	11	50	21	1	27	19	5	42	0	0	9	15	0	0	1	19	18
4	6	0	43	46	7	8	53	32	2	17	25	58	14	0	0	12	21	0	0	1	45	48
5	1	11	45	28	9	2	50	19	3	6	41	40	9	0	0	15	26	0	0	2	12	14
6	9	0	47	10	10	26	47	6	3	26	1	55	3	0	0	18	31	0	0	2	38	39
7	4	11	48	51	0	20	43	53	4	15	25	3	57	0	0	21	36	0	0	3	5	5
8	0	1	27	31	2	17	47	4	5	4	43	56	29	0	0	24	41	0	0	3	31	35
9	7	16	24	14	4	11	43	50	5	24	3	38	23	0	0	27	46	0	0	3	58	1
10	3	1	30	56	6	5	40	37	6	13	29	20	17	0	0	30	51	0	0	4	24	27
11	10	16	32	37	7	29	37	24	7	2	43	2	11	0	0	33	56	0	0	4	50	53
12	6	2	11	19	9	26	40	35	7	22	5	54	43	0	0	37	2	0	0	5	17	23
13	1	17	13	0	10	20	37	22	8	11	55	36	37	0	0	40	7	0	0	5	43	49
14	9	2	14	42	1	14	34	9	9	0	45	18	32	0	0	43	12	0	0	6	10	15
15	4	17	16	24	3	8	30	56	9	20	5	0	26	0	0	46	17	0	0	6	36	41
16	0	2	55	5	5	5	35	7	10	9	27	55	58	0	0	49	22	0	0	7	3	11
17	7	17	56	46	6	29	30	54	10	28	47	34	52	0	0	52	27	0	0	7	29	37
18	3	2	58	28	8	23	27	41	11	18	7	16	46	0	0	55	32	0	0	7	56	3
19	10	18	0	10	10	17	24	28	0	7	26	58	40	0	0	58	37	0	0	8	22	29
20	6	3	38	51	0	14	27	39	0	26	44	51	12	0	1	1	43	0	0	8	48	59
40	0	7	17	43	0	28	55	18	1	23	39	42	55	0	2	3	26	0	0	17	37	58
60	6	10	56	33	1	13	22	57	2	20	29	33	37	0	3	5	9	0	0	26	26	56
80	0	14	35	24	1	27	50	35	3	17	19	24	49	0	4	6	51	0	0	35	15	55
100	6	18	14	15	2	12	18	14	4	14	9	16	2	0	5	8	34	0	0	44	4	52
200	1	6	28	29	4	24	36	29	8	28	18	32	3	0	10	17	9	0	1	28	9	48
300	7	24	42	44	7	6	55	43	1	12	27	42	5	0	15	25	43	0	2	12	14	42
400	2	12	56	59	9	19	12	17	5	26	37	4	6	0	20	34	17	0	2	56	19	36
500	9	1	11	13	0	1	30	11	10	10	46	29	8	0	25	42	52	0	3	40	24	29
600	3	19	55	28	2	13	49	26	2	24	55	36	10	1	0	51	26	0	4	24	29	23
700	10	7	39	43	4	26	11	47	7	9	4	52	11	1	6	0	0	0	5	8	34	17
800	4	25	53	57	7	8	25	54	11	23	14	8	13	1	11	8	34	0	5	52	39	11
900	11	14	8	12	9	27	44	9	4	7	23	29	49	1	16	17	9	0	6	36	44	5
1000	6	2	22	27	0	3	2	23	8	21	32	51	56	1	21	25	43	0	7	20	48	59
2000	0	4	44	53	0	6	4	46	5	13	5	20	33	3	12	51	26	0	14	44	37	58

Anno xpi 1400 completo Et valet ad tabulas promissas

	s	g	m	2	3
Aug et stelle	0	10	14	8	37
Octaue sphe	2	11	12	33	48
Solis	9	18	37	6	44
Argumentum Sol	6	18	21	34	
Aux solis	3	0	13	33	
Lune	3	21	31	42	0
Centrum	0	7	13	8	31 1
Argumentum lune	3	10	10	42	
Saturni	9	12	38	31	49
Centrum	1	0	26	40	
Aux Sat	8	12	11	52	
Argumentum Saturni	0	7	46	31	0
Jovis	6	29	39	51	29
Aux Jovis	5	22	27	10	
Centrum	1	7	14	41	
Argumentum Jovis	2	20	55	41	41
Martis	6	3	31	21	18
Aux Martis	4	14	0	23	
Centrum	1	19	30	58	
Argumentum Mar	3	11	3	47	26
Argumentum Ven	0	24	39	37	
Centrum	6	18	21	34	
Mercurii	6	29	24	43	
Centrum	2	19	9	24	
Argumentum Mercurii	11	9	29	43	
Motus capitis draconis	5	20	5	27	41
Caput draconis	6	9	54	32	47
Argumentum latitudinis	9	11	36	9	51
In eclipse	6	2	46	31	
Aux in anno	0	0	0	36	
In mense	0	0	0	3	
In ?die anno	0	0	2	27	

Summe annorum collecti	Aux sol s	g	m	2	Aux Saturni s	g	m	2	Aux Jovis s	g	m	2	Aux Martis s	g	m	2	Aux Mercurii s	g	m	2	Sig	2a	2a	3a
1320	2	29	23	23	8	11	22	42	5	21	37	29	4	13	11	53	6	28	38	33	12	31	34	33
1340	2	29	36	24	8	11	37	13	5	21	38	31	4	13	23	44	6	28	51	4	12	22	29	6
1360	2	29	49	16	8	11	47	31	5	22	1	23	4	13	36	6	6	29	3	26	12	13	36	39
1380	3	0	1	29	8	11	59	48	5	22	13	6	4	13	48	19	6	29	17	29	12	4	36	12
1400	3	0	13	33	8	12	11	52	5	22	27	10	4	14	0	23	6	29	27	43	11	53	37	39
1420	3	0	27	26	8	12	23	47	5	22	37	3	4	14	12	16	6	29	39	36	11	43	37	6
1440	3	0	37	8	8	12	37	27	5	22	48	49	4	14	23	58	6	29	51	18	11	31	34	33
1460	3	0	48	29	8	12	46	58	5	23	0	16	4	14	37	29	7	0	2	44	11	23	34	9
1480	3	1	0	2	8	12	58	21	5	23	11	39	4	14	46	52	7	0	14	13	11	12	33	6
1500	3	1	11	14	8	13	9	33	5	23	22	51	4	14	57	4	7	0	27	13	11	11	33	3
1520	3	1	22	7	8	13	20	34	5	23	33	52	4	11	9	5	7	0	36	27				

Nota presens tabula [illegible] aug [illegible] ab anno dni 1320 [illegible] ad [illegible] anno [illegible] [illegible]

[illegible] [top margin note]

Vanitas [illegible] tam [illegible] [illegible] placenti [illegible] que in [illegible] magis [illegible] nisi aquam [illegible] [illegible] [illegible] [illegible] et [illegible] astrolabii [illegible] astrolabium [illegible] stellarum [illegible] [illegible] [illegible] et [illegible] [illegible] figure [illegible] [illegible] [illegible] ad astronomias et [illegible] planispherium appellatur [illegible] [illegible] plano [illegible] [illegible] est [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] climatum [illegible] [illegible] [illegible]

[illegible] ad [illegible] [illegible] [illegible] est [illegible]

[illegible] [illegible]

Clima		
1	16	24
2	23	51
3	30	22
4	36	0
5	40	54
6	45	1
7	48	32
8	51	30
9	54	1
clima	gra	mi

d'astrolabio dicitur compositio et quadrans
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in [illegible] facies [illegible]
in medio [illegible] tabulam [illegible]
[illegible] linealis [illegible] ast
[illegible] et [illegible] tabulam [illegible]
astrolabium [illegible] centrum vel [illegible]
[illegible] quod modicum
[illegible] ad [illegible] alluc
in quo et armilla [illegible]
[illegible] Si autem in solo [illegible]
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.68 [illegible]
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et [illegible] linea meridiei
et medie noctis et [illegible]
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a in puncto [illegible] armille [illegible]
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[illegible]

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arbolatis eminente ult ... ma
tre ... sit tunc q(uod) linea ad circu
tibilis et ... libri p(er)
... ca laua vel tabula q(ue) tunc in
lat(itudi)ne equalis sit matri et super
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te ab ... q(uod) supra matre ...
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... q(ue) ... libri conveniunt dya
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te ... ... in q(uo) ...
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figura

Eclipsis solis quantitatem et durationem
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consimilem argumento in lineis numeri et equatione
inventa in linea sub trahe a medio mo-
tu solis si argumentum fuerit minus tribus si-
gnis vel adde si fuerit maius et quod
post additionem vel subtractionem provenit
erit verus locus solis tempore coniunctionis mediae
quem serva. Deinde ad argumentum medium
lune intra tabulam equationis lune
et equationem argumenti inventam in linea
subtrahe a medio motu lune si argumentum
fuerit minus tribus signis vel adde si
fuerit plus et quod post additionem vel subtractionem
provenit erit verus locus lune. Deinde
respice verum locum solis et lune si aliquando
conveniant in signis gradibus et minutis
eodem tempore erit vera coniunctio. Si vero non conveni-
ent subtrahe minorem a maiori et serva
longitudinem et quanta sit longitudo
est enim longitudo illius qui precessit
alium in ordine signorum cui longitudini
adde 12am partem sui et totum divide
per medium. Et nota secundum quod dictum est
divide totam longitudinem addita 12a

Vel ad minuta vel ad 2a et quod provenit
divide per 12 et numerus quotiens erit 12 pars
qua adde longitudini invente et eam medietatem
adde argumento medio lune si longitudo fuerit solis
vel subtrahe si fuerit lune et quod provenit
erit argumentum lune equatum pro inveniendo
motu lune de uno minuto diei quod serva.
Deinde cum argumento solis intra tabulam equationis solis
de uno minuto diei et quod de directo inveneris
est motus solis de uno minuto diei. Similiter cum
argumento medio lune quere motum lune de uno
minuto diei in eadem tabula. Deinde motum solis
de uno minuto diei subtrahe a motu lune de uno
minuto diei et remanebit superatio lune
in uno minuto diei. Cui superationi adde
pro quolibet gradu longitudinis inter solem
et lunam uno gradu amota unum 2m
et pro quolibet minuto unum tertium minus uno.
Si luna fuerit in inferiori parte sui epicicli
vel subtrahe si fuerit in superiori parte et re-
manet superatio equata per quam divide
semper longitudinem inter solem et lunam
et numerus quotiens erit minuta diei que sunt
inter coniunctionem mediam et veram. Si vero longitudo fuerit
solis quam superatio multiplicata longitudinem per
60 et postea divide per superationem et numerus
quotiens erit 2a diei. Et si fuerit ad resi-
duum multiplica per 60 et divide per eam quod provenit
et provenit scrupula in media prima et 2a quantum
volueris que minuta et 2a addenda sunt tempori
medie coniunctionis si longitudo fuerit solis vel
subtrahenda si fuerit lune et quod provenit
erit tempus vere coniunctionis vel propinquum
valde si bene operatum est. Deinde ad illud
tempus quere medium motum solis et lune
et argumentum medium lune equando solem et lunam
et argumentum omnes per ordinem quam potes et si con-
cordaverint in signis gradibus et minutis
sufficit. Si vero non concordaverint tunc sub-
trahe minorem a maiori et remanebit longitudo
quam serva. Deinde semper medium motum
solis posterius sicut scilicet que inveni ultimo
invenisti adde medium motum solis de uno

vel in una hora

+

+

idest si longitudo fuerit in gradibus
adde superationi tot 2a minus uno
idest si longitudo fuerit in minutis tot 3a
minus uno

quia est longitudo graduum

Nota quod illa pars dicitur superior in
epicicio sicut dicitur

mi^to

Sed(?) dierum et cetera super argumentum medium lune et
equa solem(?) [eclipticum] ut prius Quo facto a motu
solis iam invento subtrahe motum solis
prius inventum et quod provenit erit motus
solis in uno 2° dierum Deinde equa binarum
pro medio 2^m post tempus ad quod tu equasti
subtrahendo motum primum a 2° habebis
motum eius in uno 2° diei Quo facto
subtrahe motum solis de uno 2° diei a motu
lune de uno 2° diei et remanebit superatio
per quam divide longitudinem et minuta quotiens
erunt 2^e dierum et si quid remanserit multiplica
per 60 et divide per idem quod prius et minuta
quotiens erunt 3^a dierum Et sic quantum
volueris (pacto tempore coniunctionis diei provenit
addes super tempus veri coniunctionis prius in-
ventum si ultra longitudinem fuerit sol vel sub-
trahe si fuerit luna et quod provenit erit ve-
rissime tempus coniunctionis diebus non equatis
ad quod tempus quere locum solis et lune utrumque
per se equatum Quere etiam medium motum
capitis draconis ad tempus quod adde
ad locum lune et provenit argumentum latitudinis
lune 2° equatum quo sumpto Deinde sumas
dierum equationes tempore verissime coniunctionis reduc
ad horas et fractiones horarum quibus adde
das equationes dierum cum noctibus suis
quas invenies hic non intra cum gradu
solis tabulam equationis dierum cum noctibus
suis cum duplici introitu si fuerint ibi
aliqua minuta ultra gradus perfectos
in gradu solis vel in loco solis et pro
quolibet gradu accipe 2 minuta hore
et pro quolibet minuto 1 2^a et pro quolibet 2° 1 3^a
que adde horis et minutis horarum verissime
coniunctionis et habebis tempus verissime coniunctionis
diebus equatis.

Ut visis ad opus diversitatis
accedamus aspectus Considera an eclip-
sis solis sit in die vel de nocte Si in
nocte non curabis quia eclipsis non erit
visibilis in nostro si fuerit profunde noc-
te possit fieri cum eclipsis parte circa solis
vel parum aliquam in quod aliqua pars
eclipsis videatur Si vero fuerit in die cum sit distancia

verissime coniunctionis diebus equatis
a meridie per horas et cetera Deinde ad introitum illarum
horarum intra tabulam diversitatis aspectus lune
que facta sit ad aliquod clima sive ad tuam
regionem sub signo in quo est luna et accipe
minuta longitudinis diversitatis inventa et si fuerint
aliqua minuta ultra horas perfectas intra cum
una addita et accipe minuta longitudinis sicut
prius et considera differentiam inter minuta longitudinis prius
accepta et nunc accepta cuius differentiam accipe partem
proportionalem secundum proportionem minutorum que sunt ultra
horas perfectas ad 60 cuius partem proportionalem adde
minutis longitudinis primo acceptis si fuerint pauciora
2° acceptis vel subtrahe si fuerint plura
et provenit diversitas aspectus lune in longitudine
supposito quod luna sit in principio istius signi sub
quo intrasti et etiam in auge epicicli et centri
Si autem in principio illius signi luna non fuerit intra
subsequenti signo tunc per eundem modum et sic habeas
considerata differentia inter minuta diversitatis aspectus
accepta sub primo signo et 2° subtrahendo
minorem de maiori cuius differentie multiplica per gradus
et minuta que luna transivit de signo in quo est
et quod provenit divide per 30 gradus et sic habeas
quod denominatio non mutata et si multiplicasti
quod per quod tunc provenient 2^e partem divisionem
per 30 gradus ad hoc remanet in medio quo
accipe 2^e per 2^m modum et per ista divisione
provenit pars proportionalis quam adde super
diversitatem aspectus inventam sub primo signo
si fuerit minor illa que fuerit accepta sub signo
subsequenti vel ipsam minuta subtrahe si fuerit maior et provenit
diversitas aspectus equata pro horis et minutis
et loco lune in zodiaco Et si luna non fuerit
in superiori parte epicicli intra ad argumentum lune
equatum hora verissime coniunctionis in soluto
in gradibus in tabula altitudinis et minuta que
inde veneris in linea super quam est scrip-
tum tabulis breviis inscripta per totam diversitatem
aspectus lune inventam et quod provenit divide per
60 minuta et provenit pars proportionalis sicut quod
diversitas aspectus sit aucta propter descensum lune

[marginal notes in small script beside the second column, only partly legible: … in augis … epicicli …]

Hic latitudinis lune 2^e est distancia centri lune a capite draconis

[illegible]

Incipe quando addes super diversitatem aspectus ultimo inventam et proveniet diversitas aspectus equata per horas et minuta et loco lune in 30o et epiciclo. Deinde scias distantiam inter medium motum solis et lune subtrahendo medium motum solis a medio motu lune et quod remanserit duplica et proveniet centrum medium lune cum quo intra tabulam [illegible] et quod inveneris in [illegible] in linea que intitulatur [illegible] minuta per diversitatem aspectus quam tunc ultimo accepisti et postea divide per 60 et proveniet proportionalis quam addes diversitati aspectus ultimo accepte et proveniet diversitas aspectus equata per horas et minuta et loco lune in 30o in epiciclo et centro. Deinde diversitatem aspectus lune que inveneris divide per superationem lune in una hora et nota quotiens erunt hore. Si vero fuerit ita parva quod non poterit dividi per superationem, multiplica eam per 60 et nota quotiens erit [illegible] minuta [illegible] horas et minuta horarum [illegible] iam inventa adde super horas et minuta vel minue coniunctionis [illegible] diebus equatis. Si inter gradum lune et gradum ascendentem fuerint plures gradus [illegible] quam 90 tunc subtrahe. Quo facto scias distantiam illarum horarum a meridie cum quibus intra tabulam diversitatis aspectus eodem modo sicut prius fecisti et equando per horas et minuta et pro loco lune in centro in 30o et epiciclo. Si fuerit [illegible] ipsa diversitate aspectus inventa divide eam per superationem in una hora sicut prius docte operando et hore minuta et cetera que proveniet dicuntur hore diversitatis 2e aspectus quas tunc addes super horas verissime coniunctionis et non super [illegible] horas verissime coniunctionis et horas prime diversitatis aspectus. Si inter gradum lune et [illegible] ascendentem fuerint plures gradus [illegible] quam ~~[illegible]~~ 90 vel subtrahe

Si fuerit [illegible] quam hore scias distantiam a meridie sicut prius. Cum hiis horis distantie intra iterum tabulam eodem sicut prius operando sicut prius [illegible] istam eandem diversitatem aspectus [illegible]. Si [illegible] Si vero diversitas 3 aspectus fuerit [illegible] scias in quanto superat eam et ipsa [illegible], si longitudo lune ab ascendente in 30o fuerit [illegible] 90 gradibus in 30o tunc [illegible] horis 2e distantie coniunctionis a meridie equatis per diversitatem in 2e aspectus inveniste subtrahe 6am partem unius hore que sunt super horas completas si potes, scilicet si sunt tot minuta hore quod potest subtrahi ab eis subtrahatur 6a pars hore. Si vero non potes 6tam partem hore subtrahere subtrahe 8am vel 10am partem ita ut non frangas integram horarum. Si vero longitudo lune ab ascendente fuerit plus in 30o quam 90 gradibus adde 6tam partem hore vel 8am vel 10am minus que si vult horas ~~completas~~. Et tunc cum illo quod post augmentum vel diminutionem proveniet ut prius quere diversitatem aspectus [illegible] in loco [illegible] diversitas [illegible] superat [illegible] subtrahendo [illegible] et [illegible] multiplica per 6 si addidisti vel subtraxisti sextam partem hore vel per 8 si addidisti 8am partem vel per 10 si addidisti 10am partem hore et proveniet diversitas aspectus que debet valere hore [illegible] subtrahe [illegible] lune in una hora et quod remanet erit motus lune equatus per quem divide [illegible] inter 2am diversitatem aspectus et 3am si potest et nota quotiens erunt ~~[illegible]~~; si non potest dividere multiplica per 60 et divide et nota quotiens erunt minuta 2e [illegible]. Et quod provenerit adde horis 2e diversitatis aspectus et summa [illegible] erunt hore 2e diversitatis [illegible]. Si vero diversitas 3 aspectus fuerit minor

Sedacar capitulum 5 quod si longitudo lune sit ab ascendente minus 90 gradibus adde dimidiam partem hore aut 8am aut 10am ut horam integram non compleas. Et si fuerit plus 90 gradibus minue 6am partem hore aut octavam aut 10am ut horam integram non frangas. Et racio consequencie eius quod prius hic posita est diversitas [illegible] et ad hoc fuit 2a racio eius quod provenit que diversitatem aspectus equat. Et vide quoniam propter hoc est / quod concessio in latitudine per 6 vel per 8 vel per 10 fit prius. 2am quod addidisti 6am partem 8am vel 10am hore, ita invenies diversitatem aspectus que debetur uni hore et quod provenit adde ad separacionem lune in una hora et est motus equatus per quem divide diversitatem que est inter primam et tertiam diversitatem aspectus secundum doctrinam iam datam et quod provenit subtrahe ab horis 2e diversitatis aspectus. Sed illud raro contingit quod tertia sit minor 2a et quod remanserit erunt hore diversitatis aspectus equate sine [illegible]

Cuius horas 2e diversitatis aspectus [illegible] nocte in latitudine ad motum solis in una hora et eciam [illegible] motum lune in una hora coniungit post et sinistra coniungit preferent si longitudo lune ab ascendente minus 90 gradibus fuerit porcias horas diversitatis aspectus subtrahe ab horis verissime coniunctionis diebus earum et motu solis in eisdem horis que iam divisisti subtrahe a motu solis et motu lune in istis horis a motu lune tempore verissime coniunctionis et [illegible] subtrahe. Secundo lune a[illegible] lune equatam et tertia ab argumento latitudinis lune 2o equato. Unde et quoniam capitis draconis motus cursu pro mediis eisdem horis 2e diversitatis aspectus quem motum et subtrahe ab argumento latitudinis. Ideo dicatur aliquid ratione subtractionis horis duobus sine motu lune et motu capitis draconis eisdem horis 2e diversitatis aspectus sit ab argumento latitudinis lune 2o equato remanet latitudinis. Si vero latitudo lune ab ascendente

Sedacar capitulum [illegible] fuerit plus 90 gradibus adde illa que pro angulo [illegible] tibi [illegible] provenit et [illegible] subtrahe et quod provenit et [illegible] eclipsis [illegible] proveniet locus lune et solis et argumentum lune 2o equatum et argumentum latitudinis 3o equatum tempore medie eclipsis. Deinde cum argumento latitudinis tertio equato quod [illegible] intra tabulam latitudinis lune cum duplici in[illegible] si oportuerit et latitudinem quam inveneris sine [illegible] suam. Deinde [illegible] distanciam medie eclipsis a linea meridiana cum quibus horis intra tabulam diversitatis aspectus climatis [illegible] latitudinis in directo inventa eidem [illegible] procedendo secundum prius [illegible] in loco lune [illegible] eclipsi [illegible] in circulo brevi in [illegible] non sit eadem cum que prius fuerit quoniam [illegible] lune equatum [illegible] et ideo intra cum argumento lune equato tempore medie eclipsis tabulam [illegible] climatis [illegible] in illis non [illegible] ut oportet [illegible] quia [illegible] diversitate aspectus in latitudine [illegible] que [illegible] in omnibus regionibus quarum latitudo est a 20 gradibus. Si latitudo sit meridionalis [illegible] lune et diversitate aspectus in latitudine si fuerint in eadem parte [illegible] diversitas aspectus fuerit [illegible] et latitudo lune fuerit [illegible] minor de maiori et remanet latitudo [illegible] prius [illegible] fuerit et ad hoc remanet latitudo [illegible] Si latitudo lune fuerit [illegible] et maior diversitate aspectus meridionalis vel remanebit latitudo meridionalis [illegible] diversitas aspectus fuerit meridionalis et maior latitudine lune [illegible]. Et [illegible] quod provenit vocatur latitudo lune visa tempore medie eclipsis. Postea diversitatem aspectus in latitudine [illegible] per 11 gradus [illegible] per 23 [illegible] gradus quod [illegible] proveniet media [illegible] que adde argumento latitudinis 3o equato quod [illegible] et [illegible] si [illegible] solis et lune fuerit [illegible] vel subtrahe si fuerit [illegible] caput. Si vero contingerit quod non possit subtrahi [illegible] illud quod subtrahere

Si cum argumento latitudinis lune [illegible] plus [illegible] 12 gradus [illegible] 11 gradus [illegible] gradibus lune est [illegible] caput.

Cuius horis

Et [illegible] lune in eisdem horis [illegible] argumento latitudinis [illegible] tabula [illegible]

minus fuerit tunc maius tunc adde 360
gradus et deinde subtrahe et quotcumque ma-
nserint habebis argumentum latitudinis lune coequatum
ad horam medie eclipsis et secundum ipsum extra-
hes quia si cum isto argumento latitudinis coequato
quesieris latitudinem veram lune in tabula prima latitudinis
lune invenies quod concordabit cum latitudine lune
visa inter solem et lunam quam prius inveneras
et si non ubi sit discordia erit una
et provenit defectus propter illam operacionis
et iterum usque ad quam concordat latitudo vera
lune visa

Ut visis quantitate eclipsis solis
et duracione accedas cum argumento latitudinis
lune coequato et resoluto in gradus si fuerit
aliqua signa intra tabulam eclipsis solis
ad longitudinem longiorem et accipe puncta eclipsis
in directo in linea que sunt / intrabis autem
cum dupla minuta si oportuerit et accipe
partem proporcionalem 2am proporcionum minutorum
quibus non intrasti adde ad 30 et non ad 60 / deinde
intra cum eodem argumento latitudinis coequato
in tabula eclipsis solis ad longitudinem propiorem
accipe puncta in directo posita prius / deinde
subtrahe puncta inventa ad longitudinem longiorem
a punctis inventis ad longitudinem propiorem
et serva differentiam / deinde cum argumento lune coequato
tempore medie eclipsis resoluto in gradus intra
tabulam proporcionum que augmentatur
per duos gradus et minuta proporcionalia in directo
in linea sua / deinde accipe partem proporcionalem
de differentia servata secundum proporcionem minutorum
in linea ad 60 / quam partem adde super puncta
eclipsis ad longitudinem longiorem inventa / post hoc
intra cum argumento eodem latitudinis lune coequato
eadem tabula ad longitudinem longiorem accipe minuta
casus in directo in linea que sunt / deinde
intra cum eodem argumento in tabula ad longitudinem
propiorem et accipe minuta casus in directo a quibus
subtrahe minuta inventa ad longitudinem longiorem
et de differentia accipe partem proporcionalem secundum proporcionem minutorum
proporcionalium supra servatorum ad 60 / quam partem
proporcionalem adde cum minutis casus inventis ad
longitudinem longiorem / post hec divide illa minuta
casus per superacionem lune in una hora / et inde
provenient hore et fractiones minutorum casus

per 60 dividendo per illud quod prius et pro-
venient minuta ~~horarum et fractiones~~ horarum
que sunt inter principium eclipsis et medium
vel inter medium et finem / quas horas minuta
22a si subtraxeris a tempore medie eclipsis
provenit tempus principii eclipsis / et si eas
addideris tempori medie eclipsis provenit
finis eclipsis / et si eas duplaveris habebis
duracionem eclipsis / deinde casus horarum
que sunt inter medium et principium eclipsis
et inter finem et medium ~~multiplica~~ per motum
solis in una hora tempore medie eclipsis et quod
provenit subtrahe a vero loco solis tempore
medie eclipsis et provenit verum locum solis
tempore principii eclipsis / et idem adde super locum
solis tempore medie eclipsis et provenit verum
locum solis in fine eclipsis / multiplica etiam
horas casus per motum lune in una hora
et quod provenit subtrahe a vero loco tempore eclipsis
et medie et idem subtrahe ab argumento latitudinis lune
coequato et provenit verum locum lune
et argumentum latitudinis lune coequatum tempore
eclipsis et si ea que inveneris subtraxeris ad-
dideris habebis vera in fine eclipsis / deinde
intra cum argumento latitudinis lune coequato
tempore eclipsis tabulam latitudinis lune et in-
venies latitudinem lune in principio eclipsis / intra
ad argumentum latitudinis coequato in fine eclipsis
et invenies latitudinem lune in fine eclipsis
cum quibus habebis figurale et facies figuram secundum
canones quintos etc.

Eclipsis lune quantitate et duracionem
particularis invenire que primo ne-
cessaria sunt ad illud adquirendum invenisti
possibilitatem eclipsis lune et opposicionem veram
corporum penitus operando prout prius docuimus
quamvis non sit in conjunctione invenienda coequa-
ciones inter solem et lunam propter hoc ponere
cum vera coequacione inter nadir solis
et corpus lune (?) nulla alia differentia sit
et si diversum modum operandi hic faciam
nisi quod dicta imperpetrum / ideo tempore vere
opposicionis ... illud tempus medium
... duracionis que addere vero
loco lune tempore vere opposicionis in directo

Et provenient arcus latitudinis 2o equatus. Deinde
quere equationem dierum intrando in tabulam
ad hoc factam cum gradu solis equato conversa
reduc ad fractiones horarum que sunt [illegible]
quas fractiones horarum adde cum tempore vere op-
positionis et provenit tempus vere oppositionis diebus
equatis et hoc tenebis pro tempore medie eclipsis.
Deinde cum arcu latitudinis 2o equato intra
tabulam eclipsis lunaris in longitudine longiore
et accipe puncta eclipsis que sunt in directo
et minuta casus duplica [illegible] sed recte
procede modo sicut fecisti in eclipsi solis et ac-
cipe eciam minuta casus et minuta more si fuerit
mora seu minuta casus solum si non fuerit
mora. Si enim fuerit 0 in linea minutorum que
intitulatur minuta more non fuerit moram.
Et intelligendum quod mora vocatur tempus quod est
a principio totius obscuracionis usque quo tota luna
incipiat videri sive usque ad principium recessus
lune. Et minuta more vocatur spacium celi quod
luna pertransit motu proprio a principio more usque
ad medium eclipsis. Et hec minuta casus vo-
cantur spacium quod pertransit luna proprio motu
a principio eclipsis usque ad principium more. Scitis
igitur istis scilicet punctis eclipsis minutis more
et minutis casus ad longitudinem longiorem secundum arcum
et hoc si luna in auge vel prope eam fuerit. Si
luna non fuerit in auge vel prope eam simile intra
cum eodem arcu latitudinis tabulam eclipsis lunaris
ad longitudinem propiorem et accipe ibi puncta ecli-
psis minuta casus et minuta more dicte eodem
modo sicut fecisti ad longitudinem longiorem. Si vero
in opposito augis intra solum ad longitudinem
propiorem. Sed si luna sit inter augem et oppositum
augis intra ad ambas longitudines predictas
[illegible]. Deinde subtrahe puncta eclipsis inven-
ta ad longitudinem longiorem a punctis eclipsis
inventis ad longitudinem propiorem et minuta casus
a minutis casus et minuta more a minutis more
et residua dicentur equalitates. Deinde cum
arcu lune equato horis oppositionis vere intra
tabulam vel proportionum que intitulatur per-
duos [illegible] et accipe minuta proportionalia in
directo inventa cum digitis in tabula [illegible]
Deinde minuta proportionalia [illegible] per equalitates
[illegible] sumpta [illegible] et divide per 60 et provenient

pars proportionalis cuiuslibet earum sicut adde
punctis eclipsis inventis casus et minutis more
inventis ad longitudinem longiorem cuilibet
ad suum genus scilicet partem proportionalem dicte punctorum
adde punctis eclipsis partem proportionalem dicte minutis et
casus adde minutis casus et partem proportionalem
dicte minutorum more adde minutis more et habebis
omnia equata [illegible] lune [illegible]
minuta casus nunc equata divide per [illegible] lune
in una hora et minus quociens erunt hore et [illegible]
[illegible] fuit relicta per 60 et divide [illegible]
[illegible] et minus quociens erunt [illegible] hore
[illegible] horas minuta et [illegible] hore que
[illegible] a principio eclipsis usque ad principium more si
fuerit mora vel a principio eclipsis
usque ad medium si non fuerit mora. Et deinde
divide minuta more per [illegible] lune in una
hora et provenient hore et minuta et [illegible] hore vel
minuta et [illegible] hore si non [illegible] horas que sunt a principio
more usque ad medium eclipsis. Quo facto
horas que sunt a principio eclipsis usque ad medium
si non fuerit mora subtrahe a tempore oppositionis vere
in diebus equatis et remanebit tempus principii
eclipsis. Et si easdem horas addideris ad tempus
vere oppositionis provenit tempus finis eclipsis.
Si vero eclipsis fuerit mora tempus horas minuta
et que sunt a principio eclipsis usque ad principium more
adde horis minutis et [illegible] que sunt a principio more
usque ad medium eclipsis et totum subtrahe a tempore vere
oppositionis et remanebit tempus principii eclipsis
et si idem addideris provenient tempus finis eclipsis.
Subtrahe etiam tempus quod est a principio more usque ad
medium eclipsis a tempore vere oppositionis diebus
equatis et remanebit principium more et si idem
addideris provenient finis more. Et si duplaveris
tempus quod est a principio eclipsis usque ad medium
provenient tota duracio eclipsis [a principio] usque ad finem.
Et si duplaveris tempus a principio more usque ad
medium eclipsis provenient tota mora scilicet tempus
tota luna stat in umbra. Deinde si figuram
facere volueris horas que a principio eclipsis sunt
usque ad medium multiplica per motum lune in una
hora et quod provenit subtrahe a loco lune
in vero tempore vere oppositionis. Et iam subtrahe
hec ab arcu latitudinis et provenient verum locum

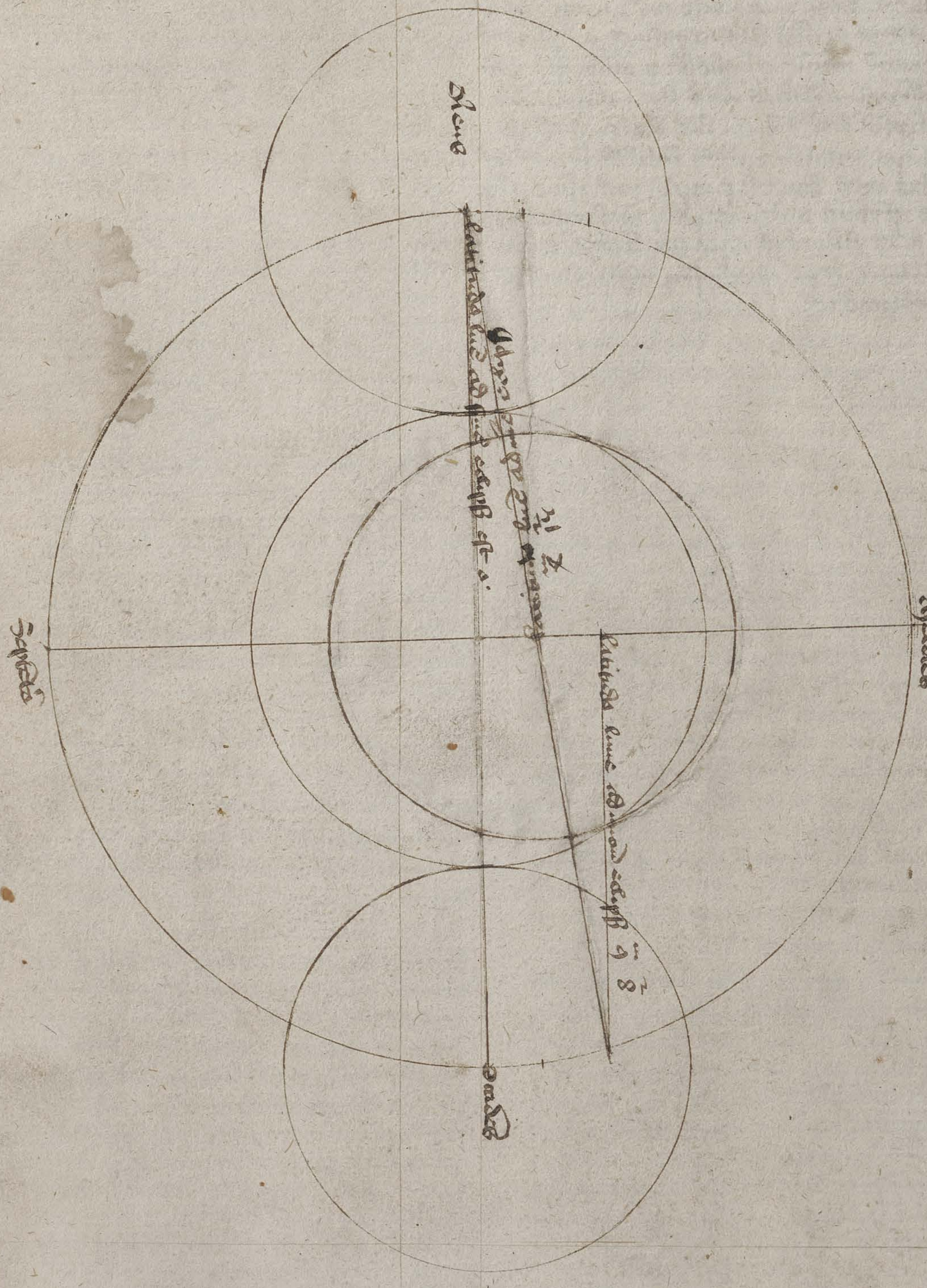
Et [illegible] divide [illegible] quod [illegible] tale [illegible] 2 et in [illegible] divisione [illegible] [illegible]
[illegible] [illegible] ad [illegible] divide quod 60 et provenit pars proportionalis [illegible] [illegible]

Ex [illegible]

Lune in principio eclipsis / et sub hec circa alterato
latitudinis lune inter ducto medium motus capitis
draconis in illis horis et provenient certitudo latitudinis
equatis in principio eclipsis / et si cauda que in
subtraxisti addideris [illegible] hec vel ipsa in fine
eclipsis latitudinem cum luce [illegible] venies ad ipsa
in ipsa intrando tabulam latitudinis lune ad istis
tribus certis latitudinis in principio medio et fine eclip
sis // figurate aut [illegible] secundum doctrinam magistri
Iohannis de Lineriis [illegible] [illegible] doctrina et sic
ad metam / et sic est eclipsium magistri [illegible]
[illegible]

Figura eclipsis solaris anno Christi 1421 completo ad completa 29 Augusti que est 10 partes et 42 minuta

h	m		
19	43	2	principium eclipsis in horis equalibus
16	41	3	medium eclipsis in horis horalogii
19	49	4	finis eclipsis in horis equalibus
2	16	2	duratio eclipsis



[illegible] anni [illegible] ... 1420 ... 1367 ... 118300 ... [illegible]

Tempus est mensura motus ut vult Aristoteles quarto Physicorum. Cum igitur motus sit successivus necesse est nobis tempus cognoscere et cognita temporis quantitate probabitur motus celi correspondente [illegible]. Est igitur [illegible] quod divisione temporis ad [illegible] tabularum [illegible] [illegible] [illegible] [illegible] sexagenarii [illegible] ut divisio temporis [illegible] correspondeat [illegible]. Gradus igitur in astronomia dicitur minuta et cum collecta fuerint 60 [illegible] [illegible] [illegible] [illegible]. In hiis igitur tabulis [illegible] fractiones in 60 [illegible] et unum [illegible] [illegible] [illegible] similiter procedimus in tempore 60 [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] procedimus ut [illegible] [illegible] fractiones [illegible] Colligimus enim dies ab [illegible] 60 et ponimus dies [illegible]. Et cum collecta fuerint 60 [illegible] ponimus [illegible] unum [illegible] et [illegible] 60 [illegible] [illegible] [illegible] [illegible] et ut [illegible] [illegible] 60 [illegible] unitates et [illegible] [illegible] [illegible] collecta 2a. Et cum [illegible] 60 2a [illegible] ponimus [illegible] similiter unitatem et [illegible] 3a. Et colligimus usque ad 60 [illegible] ponimus [illegible] unum et [illegible] [illegible] [illegible] [illegible] procedimus [illegible] [illegible] [illegible] 3.1.4.8.2 [illegible] [illegible] [illegible] 60 [illegible] complen[illegible]. [illegible] [illegible] [illegible] [illegible] in iste tabule sunt [illegible] [illegible] alia [illegible] [illegible] sunt completa. [illegible] fractiones autem temporis similiter procedimus [illegible] [illegible] [illegible] [illegible] dies [illegible] 60 [illegible] [illegible] [illegible] [illegible] dierum et [illegible] [illegible] 60 [illegible] 2a. Et [illegible] ista distinctio temporis [illegible] [illegible] ad [illegible] planetarum motus. Cum distinctio motuum [illegible] 60 [illegible] [illegible] [illegible] planetarum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 60 [illegible] duobus [illegible] [illegible] signum [illegible] [illegible] 60 [illegible] signum.

Numerum annorum mensium et dierum [illegible] [illegible] [illegible] [illegible] ad [illegible]

[illegible] [illegible] [illegible] [illegible]
26 dies [illegible] [illegible] [illegible]
[illegible] 1926 [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] ... 2 [illegible] tabule [illegible] multiplica numerum annorum [illegible] [illegible] 367 et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] annorum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] erit numerus [illegible] [illegible] [illegible] [illegible] erunt dies [illegible] [illegible] diebus adde dies mensium [illegible] [illegible]. Et si aliquis [illegible] mensis [illegible]. Et [illegible] [illegible] [illegible] erit numerus dierum [illegible] [illegible] [illegible] [illegible] ad tempus [illegible]. [illegible] [illegible] numerum dierum [illegible] [illegible] 60 et [illegible] [illegible] remanet [illegible] pone in loco [illegible] annorum [illegible] dies. [illegible] iterum [illegible] quotiens [illegible] [illegible] 60 et quod remansit pone in loco [illegible] [illegible] iterum [illegible] [illegible] [illegible] 60 [illegible] [illegible] et quod remanserit [illegible] pone in loco 3orum [illegible] [illegible] [illegible] [illegible] et tunc [illegible] [illegible] [illegible] [illegible] elapsa fuerit [illegible] [illegible] annorum.

Numerum annorum mensium et dierum [illegible] ad 4321 reduce [illegible] [illegible] [illegible] [illegible] si [illegible] [illegible] [illegible] reduce [illegible] [illegible] annos arabum intrare tabulam [illegible] annis arabum. Et annos [illegible] [illegible] annis [illegible] [illegible] ad tabulam [illegible] [illegible] [illegible] [illegible] tabularum [illegible] [illegible] annorum [illegible] [illegible] [illegible] [illegible] sinistra [illegible] [illegible] annorum collectorum. Et si [illegible] annorum [illegible] [illegible] [illegible] [illegible] 4321 ab [illegible]. Et [illegible] [illegible] non poteris invenire [illegible] [illegible] [illegible] et 4321 [illegible] [illegible] [illegible] [illegible] [illegible] ut in tabula [illegible] residuo annorum [illegible] eandem tabulam [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 4321 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 4 [illegible] [illegible] [illegible] 2 [illegible] [illegible] residuo [illegible] residuum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. Et [illegible] [illegible] tabule ad annos [illegible] [illegible] annis collectis. Et [illegible] [illegible] [illegible] [illegible] [illegible] collecta [illegible] tabula [illegible] augmentatur [illegible] [illegible]

unitates secundum quod 20 30 100 vel 1000 sunt
partes in tabulis et anni expansi dicuntur
que expansi quia extenduntur per singulas uni-
tates et si fuerint aliquos menses vel annos
completos intra cum motus illorum mensium in
tabula mensium et quod ibi inveneris scribe
sub aliis sicut scripti quilibet sub suo genere
Et scias quod in tabulis de fractionibus mensibus
motus mensium replicatur bis superior in tribus
desunt tribus annis post bisextum inferior
autem anno bisextili et ideo cum intras ta-
bulas mensium si annus tuus non sit bisex-
intra in superiori motus mensium Si vero
annus tuus bisextilis post festum sancti Mathie apostoli
et tunc bisexti intrabis in tabula infe-
riorem et scito adde eam ad motus 2m
tem datum de [illegible] quod pateat expedito
pono exemplum dabo reducere annos menses
et dies qui fluxerunt a tempore Christi usque ad
ad 4321 et 3 sequentes dies Iulii in-
completi anni 2a sunt 1a anni domini 1326
20 menses et duo dies intrabo igitur
cum motu annorum maiorem in tabula expansa
annis et non invenio in linea annorum a-
norum collectorum 1326 sed bene invenio 1000
et ducis in directo eius 1 4 9 2 3
30 1 scilicet ad lapidem deinde rema-
nent 326 anni quos iterum quero in eadem
linea annorum collectorum sed ibi non invenio
expansis sed invenio 300 et de
directo eius 4 7 30 3 26 2 Et
adhuc remanent 26 anni quos iterum
quero in eadem linea annorum sed ibi non invenio
eos non [illegible] ita quod incipit u-
a quo intrabis cum 20 tabula que de sunt
annis expansis sed non invenio eadem
ta scilicet 26 annos sed intrabis in pa-
te 20 annis et sunt in directo eius 23 12
2 7 1 Et remanent sex anni quos
quero in ea linea et sunt in directo 3
36 2 31 1 Et remanent sex menses quos
intrabo tabula mensium et 3 Iunii completi
ibi invenio 3 2 1 1 7 Et remanent duo
dies quos pono per se Et cum ea fecero
sunt 2 [illegible] que [illegible]
[illegible] scilicet per ordinem sub videbis
et motus superior scripti oritur 4 3 2 17 qui
fuit in tempore opposito [illegible] et addita [illegible]

[illegible] scilicet ad suum [illegible] 2 4 1 9
3 37 2 41

Cognito 4321 in majoribus a principio
[illegible] aliqua era
nota [illegible] 4321 majoribus a principio
ere cognite invenire vide in tabula
[illegible] aliqua era ad aliam que sit
inter istas duas eras [illegible] sed
4321 fuerint in tertio eram tibi nota et
inter aliam tibi ignotam [illegible] eram
suam deinde vide utrum era [illegible]
notitiam queris precedit eram tuam vel
sequatur eam ut [illegible] alexandri
[illegible] Christi et era arabum sequitur
[illegible] adde eram scilicet 4321
[illegible] si precedit subtrahe si sequatur et motus
provenientes ordinet tibi eadem 4321 [illegible]
[illegible] istius ere incognite usque ad
tempus [illegible] [illegible] 4321
[illegible] a tempore Christi usque ad tempus
[illegible] diem Iulii et anni 2 a
sunt in nota [illegible] et sunt
2 4 14 3 37 2 41 [illegible]
4321 [illegible] a tempore diluvii usque ad
motus [illegible] in tabula [illegible] 4321
inter diluvium et Christum et invenio 2 4 14 3
42 2 39 1 [illegible] adde ad 4321
[illegible] diluvium [illegible]
et provenit a 4 29 3 14 2 43 1
[illegible] a tempore diluvii usque ad tempus
[illegible] 4321 [illegible]

Cognitis 4321 annorum
mensium et dierum in [illegible]
invenire et est conversio [illegible] 3
capituli [illegible] 4321 in tabula
[illegible] annis illis quos [illegible]
[illegible] in 4 [illegible]
linea et si inveneris [illegible] istorum
invenies in directo annos eis [illegible]
[illegible] 4321 [illegible]
[illegible] et illum
subtrahe a 4321 [illegible] et [illegible]
annorum in directo invenerunt [illegible]
[illegible] in residuo Et [illegible]
[illegible] istam tabulam annorum
expansorum [illegible] collectorum [illegible]

Donec totus numerus 4321 sit euacuatus. Sane cum est de anno bisextili tunc tabula mensium contra oppositum intrate tabula subscripta. Verbi gratia quod [illegible] et pro duo cum la [illegible] nota [illegible] dies tunc [illegible] collectus tunc in equa [illegible] sit tibi nota. Verbi gratia [illegible] 3 [illegible] 4321 [illegible] usque ad [illegible] tunc [illegible] totis [illegible] usque ad [illegible] et idem in omnibus aliis

[illegible] anni uel mensis et uel [illegible] dierum [illegible] per tabulas inuenire [illegible] [illegible] nota [illegible] est quod feria. Vnde inuenire nota aliquam anni uel mensis uel cuiusque dierum in qua feria incepit ille annus uel mensis uel dies. Cum enim uolueris hoc inuenire reduc totum tempus [illegible] ex [illegible] operans usque ad illum diem conclusiue [illegible] 4321. Quo facto intra tabulas notatas primo cum [illegible] et inde numerum [illegible] scriptum in linea que intitulatur 4 [illegible] scribe extra. Deinde intra eandem tabulam cum numero 3 [illegible] et numerum quem inueneris in linea que intitulatur [illegible] 3 scribe sub alio prius scripto. Deinde intra cum numero 2 [illegible] et numerum quem [illegible] inueneris in linea que intitulatur 2 scribe sub aliis prius scriptis. Deinde intra [illegible] tabulam cum numero primo et quem [illegible] sibi [illegible] ei correspondentem que prima scribe extra sub aliis prius scriptis. Quo facto scribe [illegible] [illegible] in tabula [illegible] radicum [illegible] Deinde adde omnia ad inuicem et quod per additionem prouenit [illegible] [illegible] uel subtrahe a [illegible] et illud quod remanet [illegible] tibi [illegible] [illegible] [illegible] Si remanet [illegible] [illegible] totum tempus quod [illegible] [illegible] et [illegible] eodem [illegible] de aliis

[illegible] horarum et minutorum hore et aliarum fractionum ad in dies et alias fractiones per tabulas ad hoc [illegible] reducere. Intra tabulam que intitulatur tabula [illegible] [illegible] et 2 dierum et quem [illegible] horarum

[illegible] in linea [illegible] que intitulatur hore et minuta que [illegible] scribe extra. Deinde intra cum [illegible] minutorum hore in tabula que intitulatur tabula ad [illegible] minuta dierum et quem [illegible] hoc in linea [illegible] et id quod inueneris [illegible] linea post lineam [illegible] sunt minuta dierum et [illegible] secunda et [illegible] [illegible] [illegible] [illegible] Deinde si [illegible] hoc intra cum eis eandem tablam in linea [illegible] et [illegible] id quod inueneris in propria linea sunt secunda dierum et [illegible] [illegible] subscriptionibus [illegible] intratur cum [illegible] hore in prima linea sunt minuta dierum si [illegible] intratur cum 2 [illegible] hoc in propria linea sunt 2 dierum [illegible] [illegible] sunt [illegible] hoc ad [illegible] dierum sunt [illegible] hoc ad [illegible] dierum. Et [illegible] [illegible] [illegible] sola [illegible] [illegible] adde ad inuicem et [illegible] [illegible] arte algorismi [illegible] et quod per additionem prouenit erunt minuta dierum et [illegible] horarum [illegible] [illegible] correspondentia [illegible] [illegible] table sunt ut cognoscas [illegible] [illegible] [illegible] [illegible] dierum complementum [illegible] [illegible] [illegible] uel per horologia possunt [illegible] [illegible] [illegible] tablas inuenire cum dies [illegible] [illegible] [illegible]

Minuta dierum 2 et 3 ad [illegible] dies [illegible] et minuta horarum et 2 [illegible] [illegible] [illegible] 2 [illegible] [illegible] minutorum dierum in linea [illegible] in tabula que intitulatur tabula ad [illegible] horarum et [illegible] quod inueneris in propria linea sunt hore et in scripto linea sunt minuta hore [illegible] [illegible] et [illegible] scribe extra. Deinde intra cum secundis [illegible] linea [illegible] in eadem tabula et [illegible] quod inueneris in propria linea sunt minuta hore et [illegible] scribe extra in tabula sub aliis prius scriptis [illegible] [illegible] Deinde intra cum 3 [illegible] dierum [illegible] 3 et id quod inueneris in prima linea sunt 2 et [illegible] 3 [illegible] scribe sub aliis prius scriptis [illegible] [illegible]

Revolucio subscriptarum [illegible] duarum in
circuitu [illegible] circuli dicta in [illegible] calo
quo sexto adde unam ad [illegible] et [illegible]
[illegible] omnia que [illegible] naturalis aut
huius tabule sunt [illegible] aliqua co-
rrectione vel aliquid per tablas alpho-
nsi in quibus [illegible] diem et [illegible]
[illegible] sic dictum est in predicto calo
[illegible] horis et [illegible] horas
[illegible] dies et 2[illegible] [illegible] tempus [illegible]
[illegible] que [illegible] distincta sunt
[illegible] [illegible] possemus bene et
facilius assignare

Modo [illegible] radix

In [illegible] radix [illegible] motus
vel [illegible] [illegible] radix [illegible]
motus [illegible] locum [illegible]
in quo fuit ic motus in primo [illegible]
[illegible] radix in qua ponitur [illegible]
in tabula radix solis radix [illegible]
[illegible] [illegible] 3 [illegible]
[illegible] dies [illegible] in
[illegible] ab [illegible]
[illegible] fuit motus medius solis tempore [illegible]
in meridie [illegible] diei [illegible] in
primo Januarii et [illegible]
[illegible] medius [illegible] radix [illegible]
[illegible] [illegible] [illegible] distancia
[illegible] [illegible] [illegible]
primo [illegible] radix [illegible]
in tabula [illegible]
[illegible] 3 [illegible] 19 [illegible] 20 [illegible] dies in primo
Januarii ut dixi distancia [illegible]
[illegible] [illegible] fuit ~~[illegible]~~
[illegible] est [illegible] motus [illegible]
[illegible] in [illegible] signorum [illegible]
[illegible] [illegible] [illegible] in [illegible]

Revolucionem annorum mundi [illegible]
vel nativitatum [illegible] vel [illegible]
[illegible] primo in horis et [illegible]
[illegible] per tabulas ad horas [illegible]
videre [illegible] revolucio [illegible]
revolucio [illegible] ab eodem puncto ad
eundem punctum vel reddicio solis in eo-
dem puncto in quo fuit sol in primo
[illegible] revolucio [illegible]
[illegible] solis [illegible] revolucio [illegible] solis

in eundem punctum 30[illegible] in quo fuit [illegible]
[illegible] revolucio annorum [illegible]
[illegible] vel [illegible] ville [illegible] vel
[illegible] est revolucio solis vel [illegible]
[illegible] ad eundem punctum vel locum in quo
fuit in primo [illegible] sive [illegible]
[illegible] [illegible] [illegible]
[illegible] videre revolucionem annorum
mundi [illegible] introitus solis
in arietem [illegible]
anno tibi noto sub [illegible] dies
horas et minuta [illegible] possibile et id
tempus [illegible]
[illegible] revolucionem [illegible]
vel [illegible] videre [illegible] est [illegible]
[illegible] radice [illegible] ad [illegible]
[illegible] revolucionem [illegible] est [illegible]
[illegible] annorum [illegible] qui
[illegible] revolucio annorum mundi [illegible]
~~[illegible]~~ et [illegible] horas et [illegible]
[illegible] 2[illegible] [illegible] addere
[illegible] [illegible] 2[illegible] [illegible]
[illegible] et [illegible] horas [illegible]
[illegible] 24 [illegible]
[illegible] diebus et id [illegible]
[illegible] tempus introitus solis
in arietem [illegible] et [illegible] anno
in quo [illegible] fuit [illegible] in [illegible]
[illegible] diei [illegible] die [illegible]
[illegible] revolucionem [illegible]
annorum nativitatum vel [illegible] vel [illegible]
vel signum in hora [illegible]
[illegible] nativitatis vel [illegible]
[illegible] primo vel signum [illegible]
dies et horas [illegible] et minuta [illegible]
possibile et id tempus [illegible]
[illegible] ut dixi
[illegible] solis in arietem [illegible]
[illegible] [illegible] [illegible] fuit
[illegible] et [illegible] locum [illegible]
revolucio [illegible] in [illegible] diei
[illegible] ut dixi [illegible]

Revolucionem annorum [illegible]
[illegible] videre
[illegible] revolucio [illegible]
vel [illegible] videre [illegible]
[illegible] illud qui [illegible] in oriente
[illegible] revolucio

[illegible] dicitur [illegible] quibus [illegible] temporalis sive [illegible] quibus tempora diversificantur [illegible] non diversificatur [illegible]

[illegible]

am fuit completa [illegible] dico quod illa tabula [illegible] est [illegible] 30a [illegible] approximationem [illegible] alia [illegible] sic fieri possit [illegible] [illegible] signorum [illegible] in tabula [illegible] revolutione annorum [illegible] sic hoc [illegible]

[illegible] ergo volueris [illegible] ab [illegible] in [illegible] motu subiecto [illegible] motum [illegible] ab [illegible] [illegible] annos [illegible] [illegible] in radice [illegible] volueris [illegible] revolutione alicuius anni [illegible] annorum [illegible] qui fuit [illegible] [illegible] tabula [illegible] et [illegible] radice [illegible] et [illegible] [illegible] 360 [illegible] [illegible] tabulas [illegible] [illegible] tabula [illegible] tabulas [illegible] [illegible] et [illegible] radice [illegible] et [illegible] [illegible] et [illegible] motus [illegible] et [illegible] planetarum et [illegible] [illegible] et [illegible] et stellarum [illegible] tabulas [illegible] [illegible] 21 [illegible]

[illegible]

[illegible]

[illegible] ad [illegible] et [illegible] et [illegible] illius motus [illegible] ad [illegible] illius [illegible] ad [illegible] motus [illegible] radice [illegible] motus [illegible] ad annos [illegible] radice [illegible] ad [illegible] annos [illegible] radice [illegible] radice [illegible] tabula [illegible] in alia [illegible] illius motus [illegible] et [illegible] [illegible] et in [illegible] et [illegible] et [illegible] tabula [illegible] et [illegible] et [illegible] et [illegible] et [illegible] tabula [illegible] et [illegible] et [illegible] [illegible] tabule [illegible] et [illegible] tabulis [illegible]

[illegible]

	s	g	m	2	3	4	
	29	12	44	3	2	48	ad quartum
Adde	14	18	22	1	31	12	ad oppositum
	7	9	11	0	47	36	ad quadratum

[illegible]

[illegible]

[illegible]

usque tabulas sunt completa. Quo facto dies et minuta dierum et tercias [illegible] quas in Ve(nerie) invenisti adde ad tempus vel cum tempus verum coniunctionis mediarum elongacionum et quod ex addicione pro[venit] erit tempus medie coniunctionis opposicionis vel quadrature. Si vero tempora coniunctionis volueris invenire [illegible] in Venerie opposiciones et tempora opposicionis in Venerie coniunctionem mediarum sequentis quod est [illegible] tempus [illegible] adde super tempus coniunctionis si volueris opposicionem sequentem vel super tempus opposicionis si volueris coniunctionem sequentem 14 dies 45 minuta dierum 22 [3]3 | 4 8 [illegible] quod [illegible] sunt ad [illegible] coniunctione [illegible] replere addicionem [illegible] [illegible] coniunctionibus et opposicionibus [illegible] in Ve(nerie).

Et si tu [illegible] volueris invenire [illegible] coniunctionem [illegible] totum tempus incipiendo ab [illegible] usque ad primam coniunctionem anni [illegible] in Venerie ad 29 2 12 [illegible] periodo [illegible] 1 [illegible] 2 [illegible] Venerie [illegible] ab [illegible] et [illegible] quod remansit intra periodo [illegible] dies et minuta dierum [illegible] que sunt a principio illius anni usque ad primam coniunctionem et tunc [illegible] illius anni. Si volueris in Venerie coniunctionem in [illegible] adde super [illegible] 29 dies 31 minuta dierum 50 2 1 3 3 4 [illegible] est ab una coniunctione ad aliam et [illegible] addendo super 2am proveniet 3a [illegible].

Et si opposicionem [illegible] volueris adde super [illegible] coniunctionis [illegible] 14 dies 4 [illegible] minuta 22 33 [illegible] est a coniunctione ad opposicionem vel [illegible] ab opposicione ad coniunctionem. Si vero quadraturas volueris in Venerie adde super tempus coniunctionis 7 dies 22 minuta dierum 1 2 31 [illegible] 4 4 [illegible] quadraturam primam. Et si [illegible] volueris [illegible] adde [illegible] super tempus opposicionis et [illegible] potes [illegible] in marginibus tabularum ut primam possis in Venerie [illegible] illorum [illegible].

Ut [illegible] eclipsis solis in aliqua [illegible] coniunctione vel eclipsis lune in aliqua opposicione sit possibilis [illegible] in Venerie [illegible] latitudinis lune ad tempus coniunctionis si quis posset eclipsis solis vel ad tempus opposicionis si quis posset eclipsis lune. Et si argumentum latitudinis fuit 0 in signis 2 minus 12 gradibus vel 5 signa 2 plus 48 gradibus vel 3a signa 2 minus 12 vel duo signa 2 plus 48 gradibus [illegible] eclipsis [illegible] posse [illegible] luminarium in [illegible] possibile est fieri eclipsim.

Modum [illegible] tabulas motuum [illegible] et [illegible] faciendi [illegible]

[illegible] medior(um)

	s	g
	0	ming 12
Termini eclipsis possibilis	4	plus 48
	3	ming 12
	2	plus 48

[illegible] motus unius diei [illegible] et 2 [illegible] 4[illegible] [illegible] primo motum unius diei in [illegible] tabula [illegible] [illegible] motum unius diei [illegible] scriptum [illegible] tabula

[illegible] tabule

[illegible] dubitaveris de aliqua linea utrum sit bene scripta vel non [illegible] lineam [illegible] dubitaveris et eam [illegible].

[illegible] accipe motum unius diei [illegible] linea tabule et adde [illegible] [illegible] erit [illegible] de qua dubitaveris. [illegible] quod faciat [illegible] linea [illegible] dubitaveris [illegible] accipe [illegible] aliam tabula et [illegible] eam [illegible] accipe [illegible] et [illegible] a primo [illegible] scripta et [illegible] ea [illegible] et [illegible] motum unius diei [illegible] linea tabule [illegible] non accipe [illegible] in alia parte tabule [illegible] lineas et [illegible] una ab alia et [illegible] dent [illegible] motum unius diei [illegible] non [illegible] tabula in pluribus locis [illegible]. Et cum [illegible] potes [illegible] tabularum [illegible] et [illegible] facere [illegible] motum unius diei et [illegible] dupla et duplatum erit motus duorum dierum et super [illegible] adde motum unius diei et [illegible] motus trium dierum et sic [illegible] 60 [illegible] et tabula erit completa.

[illegible] 4 2 3 1

Verum locum augis cuiuslibet planete per tabulas in Venerie [illegible] motu augium et stellarum fixarum [illegible] accepta radice [illegible] motu [illegible] in mediis motibus et cum [illegible] motum accessus et recessus [illegible] cui adde radicem motus octave spere [illegible] facto si [illegible] ibi [illegible] ea in gradibus et adde [illegible] motus octave spere [illegible] intra tabula equacionis motus accessus et recessus octave spere [illegible] in linea numerorum [illegible] in Venerie [illegible] 90 [illegible] tabula [illegible] 90 [illegible] gradus [illegible] 90 [illegible] vel [illegible] [illegible] accipe 89 2 [illegible] accipe 88 [illegible] accipe 81 2 [illegible] tabule 2 [illegible] 180 [illegible] nulla [illegible] 180 gradus [illegible].

[illegible] medio [illegible]
[illegible] 34 46
[illegible] 60
[illegible]

[illegible] in [illegible] diei

anno domini 14

2	41	78	19	saturni
1	22	11	31	iovis
0	93	46	70	martis
1	29	14	10	mercurii

apud ca... secundum unum 182 fuerunt duo et 183 sed 3 ... ad 90 et fuerunt 240 gradus ... fuerint plus quam 240 gradus ... ita ... accipias 88 ... ad ... et sic tunc erunt 360 gradus et ... erit illa ... tabula ... [illegible]

... gradum in lineis ... quod est inductio ... [illegible]

... numero ... [illegible]

... et ... equacio ... [illegible]

... equacionem ... [illegible]

... [illegible]

Item locum solis per tabulas invenire ... medium motum solis et ... angis solis ... motus ... augis ... sit ... et ... signa 2 19 ... trahe augem 2 ... 19 ... invenit ... argumentum solis ... et ... quocienscumque ... ... et ... fiat ... Et ... argumentum solis ... in tabulam equacionis solis et ... [illegible]

... equacionem solis ... [illegible]

... verus locus solis ... signa et gradus ... [illegible]

... ut predixi ... [illegible]

[illegible]

[illegible marginal note, top]

gradu et cum 1o quod provenit intra tabulam et unde equationis
medium centrum et eam scribe centrum et bonam
secundam equationem. Quo facto subtrahe minorem
a maiore et quod remanet est differentia duarum equationum
medium vel est equatio que debetur uni gradui
in loco tabule de qua accipe partem
proporcionalem qualis pars sit argumenti de uno
gradu vel dicto in proportione per rationem conficta
accipe partem proporcionalem minutorum que
sunt ultra gradus in argumento ad 60. Quam
partem proporcionalem adde equationi primo si secunda
fuit maior vel eandem subtrahe a prima si
secunda fuit minor et quod post subtractionem vel
additionem provenit erit equatio solis. Quam
equationem subtrahe a medio motu solis
quandocumque fuerit si argumentum solis fuit minus
sex signis vel adde eandem cum medio motu
si argumentum fuit plus 6 signis. Et quod post
additionem vel subtractionem provenit erit verus
locus solis in octava spera computata a capite
arietis et per equalitatem in signis computando
et equalitatem. Et si sunt 30 gradus vel
duo signa. Et si sunt 30 gradus
plures vel signa computa per 30 gradibus
unum signum et ubi terminatur numerus
graduum minutorum secundorum ibi est centrum
corporis solis

Nota in omnibus operationibus ubi vo-
luntas parte operari indigemus parte
proporcionali a prima modum inveniendi partem
proporcionalem non repetam in sequentibus sed
proporcionalem tibi committo tuo adiutorio. Canonem
quorum ope committo te adiuvo. Canon
Si differentia duarum equationum fuerint minuta
2 2 3 reduce ea ad 2a scilicet minuta
223 et reduc ea ad 2a scilicet minuta
per 60 et erunt 2a cum quibus adde 2a quas habebas
et quod provenit fuerit et non obliviscaris
cuius denominationem quia si etc. Postea vide
minuta 2a quae sunt in argumento vel signa 2 gradus
si volueris minus precise operari reduc
ea solum ad 2a. Sed si non curabis tantam
precisionem accipe solum minuta si fuerint
plura 2 quam 30 pone per eis unum minutum
Cuius facto multiplica unum dicte precisionem
unum minutum argumenti et fiunt denominationem

[right column]

eius per quod provenit quam si multiplicaveris per
provenient secundum minuta 2a provenient 2a et si 2a per
provenient ... deinde multiplicatio fiat deinde
2a provenient per 60 et reddibuntur fractiones
mediante ... vel si multiplicas provenient
in ... provenient 2a ... quarta
et quod remanet manet et si minus
... fuit plura per 60 et provenit et
quod remanet manet 2a quia 2a si fuerint
... deinde eas per 60 et provenient
... remanet manet 2a ... unus
... ita patet si vis
... partem proporcionalem adde equationi primo
si 2a fuit maior vel subtrahe eandem
a prima si 2a fuit minor. ... Si ...
... et 2a fuerint equales ... quam
proporcionalem accipe ... et
adde vel subtrahe ... simpliciter secundum
si magis ... ad quod inter ...
plures fractiones et ... in signis
in gradibus ... illas fractiones reductas
ad ... in proportione ... per
ductum ... proporcione ...
reducto ... ubi ... in signis
et producto per 60 ... deinde
... equatio quaesita. Si non fuerint
... signis et ... gradibus et ...
adque aequas fractiones ... proporcionales
ad ... invenire partem proporcionalem ...
equationes in directo ... signis ...
... multiplica fractiones cum
quibus ... et producta divide
per 60 et ... partem proporcionalem quaesitam
... ab ... in directo ... signorum
et ... equationem
... addas vel subtrahas ... Nota
... duplici ...
... proporcionalem
... et ... fractiones ultra signa
et gradus in isto ... continentur.

Pro loco lune per tabulas inveniendo.
Quere primo medium motum lune et
argumentum deinde quere medium motum
solis et subtrahe ... medium motum lune

[illegible]

129 992
276168

[illegible notes, bottom margin]

et quod remanet duplatum duplatur erit centrum
medium lune. dicimus enim inter coniunctionem duplex
distantia inter solem et lunam habet distantia inter
augem ecentrici lune et medium motum lune
post ea que centrum medium lune et inter
eas sunt, [illegible] tabulis [illegible] equationis
medio motu lune. et medium et centrum medium
sunt primo ad centro medium in tabulas equationis
lune et que equationes centri in duplici
introitu. si fuerit aliquid minus
centra ultra signa 2 gradus [illegible]
in canone solis. [illegible] et [illegible]
que ad [illegible] centro [illegible] proportionalia
que si in diversis sit ad differentia introitu [illegible]
et ipsa sunt [illegible] duabus signatis [illegible]
centri 2 minutis proportionalibus capias equationem
centri et adde eam ad centrum medium [illegible]
signato si centrum medium fuerit minus
3 signis. si vero centrum fuerit minus
plus 3 signis subtrahe eam ab equatione
ab centro medio. et quod post additionem vel subtractionem
provenit erit centrum lune equatum
sive verum quod est distantia centri lune ab
auge vera epicicli equationis [illegible]
proportionalia que postea indigebis
[illegible] introitu centro vero [illegible]
equato in eadem tabula lune [illegible]
equationem [illegible] complementi in lineis
minutis accipe equationem centri [illegible]
[illegible] et [illegible] ad differentia
introitu si [illegible] equato ultra
signa 2 gradus fuerit minutis [illegible] que
equationis [illegible] ad [illegible]. Et [illegible]
equatam [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] et [illegible] et habebis [illegible]

[illegible] lune [illegible] erit additione [illegible] equatam [illegible] a centro
[illegible] in [illegible] equationis equatam [illegible] centro medio
[illegible]

[illegible]

[illegible] equatam [illegible] adde [illegible] motum lune [illegible]
[illegible] subtrahe [illegible] erit [illegible] solis [illegible] signis [illegible]
[illegible] si fuerit minus [illegible]
[illegible] si luna fuerit in [illegible]
et [illegible] adde [illegible] medio
motu [illegible] in luna [illegible] equatam
centrum [illegible] subtrahendum [illegible]
[illegible] adde [illegible]
de [illegible] vel subtrahe [illegible] et quod post
additionem vel subtractionem provenit erit verus
locus lune in octava spera

De loco capitis draconis [illegible]
[illegible] quod motus [illegible]
ci lune [illegible] ecliptica [illegible]
caput et cauda draconis [illegible]
motus [illegible]
[illegible]
motu medio [illegible]
[illegible] medio motu
capitis draconis [illegible] signis remanet verus
locus capitis draconis [illegible]
[illegible] loco lune [illegible]
[illegible] loco capitis draconis
[illegible] latitudinis
lune [illegible] subtrahe [illegible] loco
capitis draconis [illegible] loco lune et [illegible]
[illegible] centrum latitudinis lune [illegible] et [illegible]
[illegible] latitudinis [illegible] distantia [illegible]
corporis lune [illegible] et [illegible]
[illegible] latitudinis [illegible] invenies
[illegible] latitudo lune ab ecliptica

De loco Saturni Iovis et Martis [illegible]
[illegible] que primo medium motum [illegible]
[illegible] motum [illegible]
[illegible] auge [illegible]
[illegible] augem subtrahe a medio motu
[illegible] et quod remanet erit centrum [illegible]
medium planete [illegible] medium
motum [illegible] medium motum
solis et subtrahe medium motum planete
[illegible] a medio motu solis et quod
remanet erit centrum medium [illegible]
[illegible] medium [illegible]
motu [illegible] centrum medium et [illegible]

[illegible] loco capitis [illegible]
[illegible] medium motum [illegible] subtrahe
[illegible] et [illegible]
[illegible] loco capitis [illegible]
[illegible]

Caput [illegible]
[illegible]
[illegible]
[illegible]

Ea autem quam subtraxisti medius motus augis
tuo superiorum a medio motu solis et addes ut habeatur
centrum medium quia quilibet trium superiorum cum est
in coniunctione media cum sole est in auge
media sui epicicli et in tanto tempore quo
corpus pertransit suum epiciclum inequato sol
revertitur ad suam coniunctionem mediam equa-
tionem ut tantum planeta distat ab auge media epi-
cicli quantum distat medius motus solis a medio
motu augis istorum tuo distantia ut medius
motus solis a medio motu tuis hoc horum habetur
per subtractionem medii motus ipsius planete
a medio motu solis quia habita hec est distantia
a medio motu solis planete ab auge media epicicli
corporis planete equale isti proportionali quod
tunc habetur sit equale isti proportionali quod
tota sicut in dictis et etiam tribus habita
et sumatur in medio motu planete centro
medio et centro medio intra primo cum centro
medio in tabulas equationis istius cuius motu
medio et quod equationem centri tunc duplica
quia intra sit diversa in canone solis
introitu si ergo sit diversa in canone sol
qua equationem serva ad partem quod prius
indigebis ea et scribe super centrum addendo
si centrum medium medie quo invenisti
equationem fuit plus 3 bis signis addendo et
tantum quod debes addi vel scribe super cen-
trum minuta si centrum medium fuit minus
tribus signis addendo quod debet subtrahi
equationem scriptam et servatam si debet addi adde
ea addent medio et subtrahe eam ab auge
ea medio vel si debet subtrahi subtrahe eam
medio et adde eam cum centro medio
a centro medio et remanebit utrumque equatum scilicet centrum et arcus
medio sic intra cum centro verus cum equato
in easdem tabulas de lineas 2 et accipe
minuta proportionalia inventa scripta et
intra cum diversa introitu si ergo et ipsis
sua et consideras titulum superius si superius
sit semper longior vel propior et super
minuta proportionalia equata et servata
corporum titulum scribe quod prius cum indigebis
cum arcu medio vel centro vero in equato
de easdem tabulas et intra cum dicto introitu
si ergo et accipe equationem arcus et ipsius sua
et vocatur equatio arcus prima equatio

Deinde eodem modo accipe equationem arcus cum
equatione diametri de alia longitudine 2 in-
tra cum diversa introitu si ergo 2 accipias de-
titulum longitudinis longioris si super minu-
ta proportionalia sit scriptum longior
vel in propinquior si super minuta propor-
tionalia sit scriptum propior de qua diversitate
diametri accipe partem proportionalem per pro-
portionem minutorum proportionalium
quam servasti ad 6 quod scribam in canone
hunc scilicet verum de diversitate equata 2 re-
ducta addendi centrum 2 minuta
proportionalia cum reducta addendi centrum et inde
per cuius denominationem sit 2 sit dimi-
de prima equatio et habebis partem proportio-
nalem 2 partem proportionalem adde eam
cum arcu inventa prima equatio si diversitas
diametri fuit accepta in longitudine pro-
piori vel eandem partem proportionalem subtrahe
ab equatione prima equationis si diversitas di-
ametri fuit accepta de longitudine longiori
2 quod prius additione vel subtractione provenit
erit arcus equatio 2a equatio super
quam scilicet si arcus verus fuit minus
tribus signis vel scribe super eam cum scriptum
vero fuit plus tribus signis quo scribere
prima equationem verum prima equatio 2 cum
equationem arcus cum vero equationis 2
si super utrumque sit scriptum adde ea
simul totum adde ad medium motum planete
vel si super utrumque sit scriptum equationis 2
adde eam simul 2 totum subtrahe a medio motu
planete vel si super una sit scriptum a 2 super
alteram subtrahe de re minori 2 si super
alterum sit scriptum a adde illud quod
remanet post subtractionem ad medium
motum planete vel si super minorem
sit scriptum a subtrahe illud quod remanet a
medio motu planete 2 quod prius additionem
vel subtractionem provenit erit verus
motus vel locus illius de quo equationes
est inventa proportio

Et locum veneris 2 mercurii
de nomine similiter quod dictum est de motibus
et quando in istis diversitatibus

ribus superioribus excepto quod medii motus
illorum sunt idem cum medio motu solis et omnes
motus et auges sub sunt eadem et medium locum
Et e diversa [illegible] duobus et tribus superio
ribus [illegible] et ta [illegible] superioribus
[illegible] et ta [illegible] medio motu
[illegible] medio motu solis [illegible] duobus
[illegible] et ta [illegible] tabulis [illegible]
[illegible] motu [illegible] illorum duorum
[illegible] medium motum solis [illegible] eum
medio motu cuiuslibet illorum [illegible]
[illegible] ipsius [illegible] per ea [illegible]
[illegible] vero locum [illegible] a
medio motu [illegible] sol quod [illegible]
e et quod [illegible] erit centrum medie
[illegible] ipsius [illegible] medium motum
per [illegible] medium [illegible] et [illegible]
ipsius [illegible] habent [illegible]
[illegible] medio motu planete [illegible] medio
et [illegible] medio [illegible] eadem e spacio anno
[illegible] superioribus et [illegible]
[illegible] tabula
[illegible] proportionalia [illegible]
[illegible] longitudine [illegible]
[illegible] proportionalium [illegible]
[illegible] tabula [illegible]
[illegible] vel [illegible]
[illegible] vel [illegible] motibus
Ultimo [illegible] planetarum
[illegible] signum valens
[illegible] vero locum so
lis ad [illegible] principio [illegible]
quo [illegible] quod sol [illegible] distat ab
ariete Et [illegible]
[illegible] vero loco solis [illegible] dista
ntia eius [illegible] ariete [illegible]
[illegible] vero motus solis ab [illegible] ab
ariete [illegible] signum [illegible]
[illegible] solis [illegible]
ariete [illegible] intelligi [illegible]
~~[illegible]~~
[illegible] signum [illegible]
[illegible] planete [illegible]
[illegible] distantia
vi loci solis ab ariete [illegible]
[illegible] ibi [illegible]
[illegible] distantiam
reductam [illegible] quere [illegible]

[illegible] vi loci sol [illegible] medio sol [illegible] diei
[illegible] distantia [illegible]
[illegible]

[illegible] aequa sol [illegible] diei

locum solis [illegible] medio diei [illegible] tempus
quo [illegible] acquisisti [illegible]
[illegible] motu [illegible]
[illegible] manet [illegible] sol movetur
a uno medio diei [illegible]
[illegible] quod [illegible]
distantiam solis ab ariete [illegible]
[illegible] distantiam ad [illegible] uno
medio diei [illegible] distantia
reductam [illegible] solis a uno medio diei
[illegible] reductam [illegible]
medio diei [illegible] ad [illegible]
[illegible] remansit
aliquid [illegible] multiplicata
per 60 et quod [illegible] divide [illegible]
[illegible] medio diei et [illegible] quo
[illegible] erit [illegible] medio
[illegible] remansit [illegible]
[illegible] multiplicata [illegible] per 60 2
quod [illegible] divide [illegible] et [illegible]
[illegible]
[illegible] remansit divide
quod non [illegible] divide [illegible] non [illegible]
quod opus [illegible] est [illegible]
[illegible] quod [illegible] plena
[illegible] sexagesima [illegible] per 60 [illegible]
[illegible] manet a loco suo [illegible]
[illegible] aliquos [illegible] 2 [illegible] 23
quae [illegible] separatim [illegible] tempore
quibus [illegible] vero loco solis
Et [illegible] quod [illegible] quae [illegible]
[illegible] solis Et [illegible] signum
[illegible] 2 [illegible] 3 [illegible]
illud tempore [illegible] solis [illegible]
signum [illegible]
[illegible] distantia [illegible]
[illegible] motu [illegible] diei et
[illegible] ad [illegible]
[illegible] 2 divide distantiam
[illegible] diei 2 [illegible] uno
[illegible] distantia [illegible]
[illegible] quod non patet divide [illegible] medio
diei multiplicata [illegible] per 60 [illegible] divide
[illegible] uno quo [illegible] Et
quod remansit per [illegible]

[illegible]
[illegible] tabula
[illegible] medio [illegible] solis [illegible]
[illegible] 2 et
8 3 [illegible] 8 3 [illegible]
[illegible] solis [illegible]
[illegible] vero loco solis [illegible]
[illegible]

[illegible]

per 60 et diuide per idem quod prouenit est numerus
mediorum dierum et erit finitio in medietate. Sequitur
subtilior etc. et est in anno quolibet et
quando medii solis frigura ... quod ad quod inuenit
per diuisionem medietatis per 60 et post
diuide per idem quod prouenit per augmentum medii
diei dominus sufficit. Quando scire tempus
in vero anno et tempus quo non venerit
signa apparentia sol non venit ad finem
dandi et cetera vel subtilius tunc ad ... vero
accipe quibus in vero si per primam apparentia
tamen sol peruenit primam dictam et
quod prouenit per centrum solis in
dictis diebus non equatis et cum illo
tempore dicit qui loca planetarum ... est
tabulam equationis dierum cum noctibus
suis ad finem ... et vide ...
dierum in directo ... et in veniens
ibi 2 ... et 2 ... accipe ... aequalis
... et ...
accipe et 2 ... et ... 8 ...
et 8 2 ... que ... tempore ...
quo in ... solis in ... in ...
et quod prouenit est tempus in ...
solis in dictis diebus equatis
et cum illo tempore dicit queri tempus ...
equationis ... et reliqua que
solent fieri in ... figura et ...
... tibi ... solis in dictis
... ita in ... de aliis signis
et diuersitate ... volueris ...
... distantia ab illo signo vel loco
... et cum motu solis in una medii diei
et cum motu solis in ...
... quod ... volueris facere figuras
... cum ... dierum ...
loca solis in annis aliis ...
... per 2 ...

potes inuenire in ... lune et aliorum
planetarum ... signum et in ...
... 30 volueris et ...
... volentibus ...
in ... vale ...
... in aliquo anno
tibi nota in ... solis in dictis ...
in quodlibet signum ... potest
... ... facilius ...
sol ... annorum ...
tibi in ...
Tempus vero coniunctionis et oppositionis
solis et lune inuenire ...
medias ... per ...
per ... tempus
... apparentis medium
... solis vel lune ... medio
motu lune ... motu solis
et lune ... in oppositione ... solis
... medius motus lune et ...
per ea que ... solis ...
... loca ...
... solis ...
... et ... lune 2 ...
... solis ...
... lune
in tabulas ... et quere
equationem ... lune
inuenire ... solis ... et est
... solis ... et
... apparentem facile
est ... lune ...
... solis 2 lune ...
...
et ... longitudine ...
...
... est solis ... luna ...
... solis in ...
solis ... loca solis ...
in oppositione ... lune si luna
... solis in ...
solis in oppositione ... longitudine.

[illegible]

sua, et scribe super eam longitudinem solis vel longitudinem lune secundum quod est. Postea ipsi longitudini adde suam 12 partem quia fiunt gradus in eodem tempore apud longitudinem adequandam diversitatem, et divide eam per 12, et quod provenit divide per 60, si fuerit plura quam 60, et reddibit fractio in medietate progressionis, sicud fuit dictum in canone solis; et adde id quod provenit remanenti sibi supra diversitatem in longitudine eam reductam vel aliter per quodlibet horam [illegible] et per motum [illegible] totum aggregati accipe [illegible]. Et eam adde cum [illegible] hunc equatio, si longitudo fuerit solis vel aliter subtrahe, si longitudo fuerit lune. Et quod per additionem vel subtractionem provenit erit [illegible] lune equatum, proveniendo [illegible] lune in unam horam [illegible] dicitur [illegible] si volueris [illegible] sua [illegible]. Et [illegible] quod est quedam tabula [illegible] lune [illegible] in qua [illegible] in [illegible] et lune in unam horam vel in [illegible] dici. Et [illegible] plures sunt adde [illegible] qui [illegible] alia que [illegible] in tabulis quas [illegible] et [illegible] in eam [illegible] solis et cum [illegible] lune [illegible] in [illegible] longitudine eam sua [illegible] contra [illegible] solis quod in veniunt horam [illegible] vel [illegible] tabule, que [illegible] titula tabula [illegible] motus solis et lune [illegible] horam vel in unam [illegible] dici, et in [illegible] in directo [illegible] sol [illegible] in una hora vel [illegible] dici. Et in tria [illegible] si [illegible] sua [illegible]. Divide [illegible] in [illegible] tabula cum [illegible] lune [illegible] equatam [illegible] motu lune in una hora vel in una [illegible] dici et in veniatur in directo [illegible] luna [illegible] in una hora vel in una [illegible] dici. Et in tria [illegible] in [illegible] si [illegible] ibi aliqua [illegible]

[illegible]

in [illegible] Si autem [illegible] tua [illegible] in [illegible] in lineis [illegible] in tria [illegible] propinquiore et scribe motum [illegible] tua [illegible] additis [illegible] augmentum tabule et que tua [illegible] ipsis [illegible] in [illegible] sicud [illegible] canone [illegible] tabule [illegible] solis in una hora [illegible] et lune [illegible] solis in una hora [illegible] lune in una hora. Et quod remanet [illegible] superatio [illegible] luna plus sole in una hora. Postea [illegible] si fuerit [illegible] solis et lune [illegible] solis et lune in [illegible] superatio [illegible] dici. Si longitudo fuerit [illegible] adde superationem [illegible] et [illegible] si luna fuerit [illegible] fieri [illegible] Si vero in [illegible] subtrahe et quod per additionem vel subtractionem provenit erit superatio lune equata [illegible] reduc [illegible] longitudinem [illegible] et lune [illegible] vel [illegible] superationem equatam [illegible] plus diversitatibus [illegible] longitudinem [illegible] divide longitudinem [illegible] superationem et quod provenit in [illegible] erit [illegible] vel [illegible] sibi super eam [illegible] vel [illegible] et [illegible] Et si aliquid remanserit [illegible] multiplica [illegible] per 60 et divide [illegible] superationem et [illegible] erit [illegible] sua eam post horas [illegible] Et si aliquid [illegible] remanserit [illegible] per 60 et divide [illegible] quod [illegible] erit [illegible] et [illegible] si velles [illegible] in [illegible] dicere et [illegible] fractionibus. Cum [illegible] horas [illegible] et [illegible] ad [illegible] temporaneum [illegible] vel [illegible] si longitudo fuerit [illegible] subtrahe [illegible] Et quod post additionem vel subtractionem

[illegible]

[illegible] tpe [illegible] ... sol. et lo. tpe [illegible] [illegible] ... sol. et lo. ad tpe [illegible] ... sol. et lo. et sol. lune ... sol. [illegible] ... sola [illegible] [illegible] ... ad [illegible] ... sol. et [illegible] ... arcu lat.

[illegible] est tempus vere coniunctionis seu oppositionis [illegible] a vera coniunctione vel vera oppositione seu opposito [illegible] [illegible] oppositionem [illegible] [illegible] illa oppositione [illegible] [illegible] [illegible] motus lune [illegible] quod in [illegible] [illegible]

fuit valde [illegible] [illegible] [illegible] tempus [illegible] in [illegible] [illegible] plus et [illegible] loca lune [illegible] [illegible] in [illegible] [illegible] et si in [illegible] [illegible] loca [illegible] oppositio est [illegible] [illegible] loca [illegible] oppositio est [illegible] [illegible] plus etiam in oppositione in eodem loco [illegible] est [illegible] oppositio est [illegible]

Si autem fuit equa [illegible] [illegible] [illegible] tempus dictum [illegible] subtractionis [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] plus vel lune [illegible] equa [illegible] [illegible] [illegible] dici [illegible] tempus [illegible] vel [illegible] et [illegible] motu [illegible] et [illegible] motus plus in una [illegible] dici [illegible] [illegible] equa [illegible] lune [illegible] [illegible] dici [illegible] tempus [illegible] in [illegible] [illegible] et [illegible] motu [illegible] et [illegible] motus lune in una [illegible] dici [illegible] subtractionis motu plus in una [illegible] dici [illegible] lune [illegible] una [illegible] dici et quod [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] longitudines [illegible] [illegible] et [illegible] longitudines [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] Si autem [illegible] longitudo [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 60 et [illegible] [illegible] [illegible] 2a dierum et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 60 et [illegible] [illegible] [illegible] [illegible] [illegible] 3 dierum 2a [illegible] [illegible] [illegible] Si velles [illegible] [illegible] [illegible] tempus [illegible]

in [illegible] ad tpe [illegible] in [illegible] [illegible] fuit plus vel subtractio [illegible] lune et [illegible] in [illegible] [illegible] [illegible] [illegible] in 2a [illegible] dierum et in alia [illegible] in 2a [illegible] [illegible] [illegible] media coniunctione vel oppositione [illegible] tabulas Alphonsii et ea [illegible] in dierum et 2a et [illegible] media [illegible] [illegible] vel oppositionem [illegible] oppositio est [illegible] et [illegible] [illegible] in et 2a dierum [illegible] 2 minuta [illegible] vel [illegible] et [illegible] [illegible] [illegible] vel [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] vere coniunctionis vel oppositionis [illegible] oppositio est dierum [illegible] et [illegible] tempus [illegible] [illegible] loca [illegible] [illegible] figuram [illegible] [illegible] [illegible] [illegible] velles [illegible] [illegible] dici [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] in [illegible] [illegible] loca plus [illegible] tabula [illegible] [illegible] dierum [illegible] noctium [illegible] 2 in [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] sol [illegible] dierum 2 [illegible] [illegible] [illegible] in [illegible] vel [illegible] 2a dici et [illegible] [illegible] 2a [illegible] vel [illegible] 3 dici [illegible] [illegible] [illegible] tpe [illegible] coniunctionis vel oppositionis et [illegible] [illegible] est tempus [illegible] [illegible] vel oppositio dierum [illegible] et [illegible] illo tpe [illegible] [illegible] [illegible] vel [illegible] [illegible] [illegible] [illegible] [illegible]

Tempus [illegible] [illegible] solis et lune in [illegible] [illegible] [illegible] [illegible] est [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Ptolomeus in [illegible] 6 [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] coniunctionis [illegible] [illegible] [illegible] [illegible] 2 [illegible]

[illegible] et equalis et sit medium [illegible] ad aspectum [illegible] aspectus adhuc futurum [illegible] ab aspectu [illegible] usque ad [illegible] [illegible] tempore [illegible] ad lune [illegible] motus [illegible]

medio motu cum inveniens tam tempore [illegible] motus lune quod erit tempus [illegible] ascensionum signorum [illegible] [illegible] et non 30 ut videbitur in opere luna autem et sol movetur [illegible] 30 [illegible] [illegible] equales ascensiones et eas [illegible] in gradus 30 ut videbitur in opere [illegible] vidi canonem [illegible] modum operandi et si aliquis dicat [illegible] 30 [illegible] [illegible] ut [illegible] et [illegible] distat per [illegible] parte 30 distabunt et per [illegible] parte [illegible] et non erit difficile [illegible] aspectu inveniendo dico quod parte 30 et [illegible] adequabitur suis ascensionibus in spera recta et [illegible] incipientibus a duobus punctis solsticialibus et duobus equinoctialibus et ideo si sole in aliquo [illegible] et luna in aliquo equinoctiali ut ergo aspiciunt se [illegible] aspectu et sic erit facile [illegible] non in aliis locis. Cum igitur volueris [illegible] in aspectu solis et lune inveniendo [illegible] [illegible] tempore [illegible] medie [illegible] [illegible] motus erit distantia per [illegible] parte 30 et [illegible] invenitur [illegible] et [illegible] sicut invenitur tempore medie coniunctionis vel oppositionis [illegible] [illegible] sua [illegible] et que ad idem tempus [illegible] loci solis et [illegible] loci lune [illegible] prius posuit. Et [illegible] cum [illegible] centum in luna [illegible] est [illegible] erit [illegible] in opposito augis [illegible] Et divisiones [illegible] inveniuntur cum [illegible] equatione [illegible] [illegible] et non [illegible] [illegible] [illegible] non loco solis et non loco lune [illegible] cum non loco solis in tabula ascensionum signorum in circulo [illegible] et accipe ascensiones [illegible] [illegible] [illegible] et intra cum [illegible] in loco non solis [illegible] et [illegible] ultimo gradus quas ascensiones [illegible] ad [illegible] [illegible] intra [illegible] in eandem tabulam cum non loco lune et que ascensiones sibi corresponderit [illegible] [illegible] [illegible] ascensiones gradus solis ab ascensionibus gradus lune si poterit si non poteris [illegible] 360 gradus et [illegible] [illegible] et vide quid remanet et [illegible] Et [illegible] [illegible] aspectus [illegible] [illegible] 90 gradus [illegible] 240 gradus [illegible] Si [illegible] remanserit 90 gradus vel 240 [illegible] in [illegible] est [illegible] aspectus. Si autem remanserit minus 90 gradibus vel minus 240 gradibus aspectus adhuc futurus est. Vel si remanserit plus 90 gradibus vel plus 240 gradibus aspectus iam transivit. Si non remanserit minus 90 gradibus vel 240 gradibus [illegible] a 90 vel 240 et quod remanserit adde super ascensiones veri loci lune [illegible] ascensiones [illegible] [illegible] Et illud quod provenit reduc ad gradus 30 [illegible] [illegible] [illegible] operando et ab illo quod provenit [illegible] veri loci lune [illegible] et [illegible] quod remanet [illegible] et nota longitudo usque ad aspectum futurum [illegible] est. Si autem post subtractionem ascensionum solis ab ascensionibus lune remanserit plus 90 vel plus 240 gradibus [illegible] ab [illegible] 90 gradibus vel 240 et quod remanet subtrahe ab ascensionibus loci lune et [illegible] reduc ad gradus 30 et quod provenit [illegible] [illegible] [illegible] loco lune et quod remanserit [illegible] et nota longitudo [illegible] ab aspectu transacto longitudine [illegible]

[illegible] ab aspectu vel ad aspectum [illegible] [illegible] [illegible] motu solis in uno [illegible] diei [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] motus solis [illegible] ad unum [illegible] diei [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] medium [illegible] [illegible] in [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] in uno [illegible] diei [illegible] [illegible] [illegible] motu solis in uno [illegible] diei et motu lune [illegible] in [illegible] diei [illegible] motu solis [illegible] [illegible] diei [illegible] lune [illegible] diei. Et remanet [illegible] [illegible] [illegible] longitudine [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Et [illegible] post [illegible] [illegible] [illegible] tempore [illegible] [illegible] aspectus adhuc fuit [illegible] [illegible] vel [illegible] aliquid [illegible] [illegible] aspectus. Et quod [illegible] additionem vel subtractionem [illegible] provenit [illegible] hora [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] aspectus. Et [illegible] [illegible] [illegible] [illegible] tempore [illegible] [illegible] solis et lune. Et que ascensiones solis et lune [illegible] ascensiones solis ab ascensionibus lune et si remanet 90 gradus [illegible] vel 240 [illegible] [illegible] aliqua [illegible] [illegible] vel plus vel minus 90 vel 240 gradibus [illegible] illa [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 90 vel 240 gradus [illegible] ascensiones solis et lune [illegible] [illegible] aspectus [illegible] [illegible] [illegible] dierum. Cum equacionem dierum cum gradibus solis [illegible] [illegible] dierum cum noctibus suis accipies equaliter a [illegible] [illegible] quod [illegible] in [illegible] 24 horas. Et accipe [illegible] gradus [illegible] [illegible] [illegible] [illegible] et [illegible] horas [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] tempore equato [illegible] [illegible] [illegible]

Explicit [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] regula [illegible] [illegible] [illegible] [illegible] planetarum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] longitudo [illegible]

[illegible] ad aspectum [illegible] aspectus adhuc [illegible] [illegible] ab aspectu [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

qui fit ante opposicionem

qui fit post opposicionem

90

88 23 [illegible]

dies et quot diebus fuerit [illegible] q p
veniet adde ad tpe inuentu si velocior sit
qua tardior [illegible] subtrahe si velocior pcessit
[illegible] vera loca ambor subtrahe motu
minoris ambor 2 remanet longitudo
sua cu diuide equa [illegible] adde
die p q tpe ad quos [illegible] equa si 2 sit
[illegible] p motu ct° si sint dir
[illegible] q petis unde' sit t° 2 q remansit
et motus [illegible] ambo [illegible] retrogradi
vo si vnus fuit directus 2 alt' retrogradus
[illegible] in sequentibus diuide
subtrahe vnu motu tardioris a motu di
a velocioris planete. Et q remansit
est separatio sua [illegible] longi
tudinis que eriut [illegible] vera motus
[illegible] ad 2 ac [illegible] etiam
separatio [illegible] plus [illegible]
ad q [illegible] longitudinez [illegible] si ve
[illegible] longitudinez ad 2a [illegible] etiam
separatio ad 2 / Et vo sic diuide longi
separatio 2 [illegible] quotiens cit dies et
si remansit [illegible] diuisionez [illegible] plura
p 60 2 diuide [illegible] q prius 2
[illegible] quotiens erit minuta dierum et sic p
[illegible] tibi placuerit [illegible]
[illegible] diuisione adde [illegible] tpe
[illegible] loca si tunc [illegible] fuit
[illegible] subtrahe [illegible] fuissent
Et q tunc [illegible] additionez vel subtractionez erit
tpe [illegible] coniunctionis Et [illegible]
Si [illegible] ambo planete [illegible] quicunque
fuit directi vel retrogradi / Si at [illegible]
fuit directus 2 alter retrogradus [illegible]
[illegible] et oportebit [illegible] 2 illud [illegible]
[illegible] vel coniunge' [illegible]
2 [illegible] cu quolibz a'o [illegible]
[illegible] coniunge' [illegible]
[illegible] ad [illegible] si no [illegible]
[illegible] quinque [illegible] quantitate [illegible]
equa distat [illegible] tribus signis
equali distat [illegible] distat [illegible] equa
[illegible] 19 [illegible]
[illegible] vnu retrogradu 2 aliud directu
[illegible] motu [illegible] vno die [illegible]
[illegible] retrogradi [illegible] vno die [illegible]
[illegible] equa [illegible] simul
equa cu adde simul ad vnu die [illegible]
[illegible] motus [illegible]
[illegible] motu [illegible] remanet
[illegible] retrogradi [illegible] vno die que
motu [illegible] retrogradationis [illegible] vno die
[illegible] planete [illegible]
[illegible] vno die 2 [illegible] retrogradi

No[illegible] sole [illegible] cu [illegible] ad [illegible]
[illegible] debes [illegible] logi [illegible] sit
[illegible] vera loca tardioris [illegible] velocior
[illegible] longitudo [illegible] velocioris [illegible]
[illegible] fuissent [illegible]
[illegible] est tardior [illegible] tpe [illegible]
[illegible] motibus

dationis alterius i vno die iunge [illegible] duos motus
simul et p id q puenerit diuide longitudinez ut prius dictum
est / Et tunc adde vel subtrahe tpe iam sic inuentu
p diuisionez cu tpe tu quo p° vera corpor loca [illegible]
et q p9 diuisionez additionez vel subtractionez puenit erit
tpe coniunctionis / Si aut volueris multu pr° scire
tpe coniunctionis oportebit te ad id tpe q nc inuenisti
quere vera loca corpor et si inueneris eos i eodem
loco bn erit / Si no uide distantiaz p subtractionez sicut
motu maior et scias motu cuiuslz i vno minuto
diei p modu prius dictum / scias eos superatoz si fu
erit ambo directi vel retrogradi vel iunge motus
eos i vno minuto diei simul si vnus eor fuerit
retrogradus / Et p id q puenerit si p superatoz
vel p mo9 simul iunctos diuide longitudinez 2 minus
quotiens erit minuta diei / Et si aliqd remanserit multi
plica id p 60 et diuide p idez q prius 2 minus
quotiens erit 2a dierum et sic qualz dictum sufficiat
Cum sic tpe inuentu p diuisionez adde cu tpe
prius inuento si q additionez debuit venire vel subtrahe
ab eodem si q diminuit et q p9 additionez vel subtractionez
puenit erit tpe verissime coniunctionis

Cum stellarum fixarum sub quorum tpe volueris
inuenire scias p° loca earum verificata
ad aliquod tpe t'z notu et sicut loca vltio
verificata p alphonsum scias i° [illegible] motus sine
accessus 2 recessus de sphe tpe alphonsi / Cum
scias hic modo accipe i tabula [illegible] motus 8e sphe
radice alphonsi et ea subtrahe [illegible] accipe etiam illud
q scz stati i ppria linea si [illegible] eius mot9
[illegible] et est equatio que fuit tc tpis q equaz sua
et equatione sua q motu accessus 2 recessus
8e sphe a tpe alphonsi usqz ad tpe considerationis
tue [illegible] adde cu radice alphonsi prius sua
et id q puenerit resolue i [illegible] si sint ibi aliqua
signa cu quibus [illegible] intra tabulaz equationis motus
accessus et recessus 8e sphe et quae equatioz sic
[illegible] fuit i eande motus augium [illegible] sic
subtrahe equatioz q [illegible] si illa que fuit tpe alphonsi
ab illa equatione inuenta et id q remanserit
e [illegible] inter equationes que fuit tpe alphonsi
et illa qua inuenisti tpe considerationis tue
qua [illegible] inuenisti [illegible] que si
a tpe alphonsi usqz ad tpe considerationis tue
et quae motu augium et stellarum fixarum
no accepta radice aliqua Et cu illo q
puenerit adde [illegible] equationis prius [illegible]
Et q p9 additionez puenerit adde loco [illegible]
stelle fixe tpe alphonsi et q puenerit erit
locus eius tpe considerationis tue Et scias q
ille motus [illegible] donec veniat 90 [illegible]
i motu accessus 2 recessus 8e sphe [illegible]
equationes augmentant sed [illegible]
[illegible] venerit 90 [illegible] ideo no curo hic declarare
quid sit tunc faciendum videatur igitur illi
qui tunc temporis vixerint

[illegible] [illegible] subtrahendo [illegible] alphonsi ad [illegible] 3 2 1 [illegible] et [illegible] 3 2 et 1 [illegible] alphonsi

Quarere cuiuslibet planete vel cuiuscumque stellarum fixarum volueris invenire scias primo locum illius stelle de qua volueris hoc scire per eius invente precedentes et est intelligendum quod per [illegible] et est ista quod locus alicuius stelle fixe in 30a est locus ecliptice per quem transit linea vel circulus transiens per polos 30e et corpus stelle licet illa stella multum distet ab ecliptica et illa distantia vocatur latitudo stelle Et scias quod latitudines earum non variantur sed permanent semper in eadem distantia ab ecliptica Declinationes autem earum absque dubio variantur secundum quod variantur declinationes partium ecliptice Unde patet quod tunc planeta dicitur cum ea coniungi scilicet cum stella fixa cum venerit ad locum 30e per quem transit circulus transiens per polos 30e et per corpus stelle Cum igitur volueris coniunctionem alicuius planete cum aliqua stellarum fixarum invenire scias locum illius stelle sicut dictum est Scias etiam locum planete ad tempus propinquius [illegible] prestitutum et vide distantiam inter stellam et planetam Scias etiam motum illius planete in uno die vel in uno minuto diei per doctrinam in precedentibus traditam vel etiam de motu stelle fixe in die quia motus eius non est sensibilis in parvo tempore Deinde divide longitudinem per motum planete in uno die vel in uno minuto diei Et tunc in omnibus aliis idem est modus sicut dictum est in coniunctionibus planetarum etc.

Explicit canones tabularum Illustrissimi regis Alphonci In festo sancti dominici etc.

Ad componendum figuram in qua videre poterit quando solis et lune [illegible] [illegible] medie coniunctiones et loca coniunctionis et [illegible] tempus coniunctionis [illegible] describe primo circulum circumferentie aliqua [illegible] et [illegible] tangente a b c d [illegible] et [illegible] linee [illegible] [illegible] diametris [illegible] diametro ac [illegible] et diametro b d [illegible] [illegible] [illegible] [illegible] 12 [illegible] et [illegible] 30 [illegible] [illegible] [illegible] [illegible] 24 et 37 [illegible] [illegible] [illegible] [illegible] 28 [illegible] [illegible] et puncto [illegible] [illegible] a b [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] alia [illegible]

et [illegible] regula abscinde diametro [illegible] ac [illegible] puncto [illegible] [illegible] [illegible] et [illegible] [illegible] puncto [illegible] et due [illegible] [illegible] puncto [illegible] [illegible] [illegible] tangente [illegible] k et l h [illegible] a [illegible] b k [illegible] c l [illegible] d [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] a k [illegible] [illegible] fac lineas horarias [illegible] [illegible] lineam rectam [illegible] [illegible] [illegible] tangentem puncto [illegible] linea [illegible] Et sit [illegible] distantia diametro [illegible] ac et [illegible] [illegible] linea [illegible] d [illegible] Et [illegible] [illegible] [illegible] [illegible] a c d [illegible] [illegible] et [illegible] puncto [illegible] [illegible] [illegible] a b c et puncto [illegible] [illegible] [illegible] diametro [illegible] [illegible] a d [illegible] a b a [illegible] linea [illegible] et [illegible] linea b [illegible] abscinde lineas [illegible] linee [illegible] Et [illegible] linea [illegible] d et [illegible] linea d [illegible] abscinde lineas [illegible] [illegible] [illegible] 122 [illegible] [illegible] [illegible] [illegible] et [illegible] hora et [illegible] [illegible] [illegible] 7 [illegible] Et [illegible] fac [illegible] tota linea [illegible] [illegible] due lineas horarias [illegible] puncto linee superioris [illegible] puncto linee inferioris [illegible] et [illegible] linee [illegible] et [illegible] tangente [illegible] [illegible] et [illegible] lineas [illegible] hora [illegible] [illegible] Et [illegible] [illegible] diametro b d [illegible] 13 [illegible] [illegible] [illegible]

[illegible] tempus [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] planeta [illegible] stella [illegible] stella [illegible]

[illegible]

[illegible] 12 1/2 23 21 14 [illegible]

[illegible]

Et istas partes pro eadem describe [illegible] sicut in diametro [illegible] ad [illegible] circuli lune [illegible] distantiam de superiori [illegible] Et sic perfice istam figuram [illegible]

Vin per scias quantum sol et luna [illegible] volueris, queres primo medium quantum corpus et locum solis et lune per quantum medie et argumentum medium lune quod sibi competit ad tabulam. Secundo queres in [illegible] eius figure locum quantitatis solis et lune in gradu in quo est sol et luna. Deinde queres [illegible] in titulo [illegible] Postea vide quot spatia sunt inter ista duo puncta scilicet loci quantitatis [illegible] lune tot horis cum suis minutis [illegible] tunc si punctus seu gradus solis [illegible] plus distat a linea de qua punctus [illegible] lune quot sunt spatia inter ista duo puncta tot hore sunt addende ad horam medie quantitatis cum suis minutis. Si vero punctus [illegible] lune plus distat a linea [illegible] quot sunt spatia inter illa duo puncta predicta tot hore sunt subtrahende cum suis minutis ab hora medie quantitatis et id quod [illegible] addicione vel subtractione remanet [illegible] et vera quantitas solis et lune [illegible] est in superiori parte circuli, id est si [illegible] fuerit parte lune. Si autem fuerit alibi tunc vide quot minuta [illegible] media linea [illegible] lune tot minuta [illegible] [illegible] Ergo fac [illegible] reduc [illegible] et minuta superiora [illegible] ad eadem denominationem [illegible] minuta et 2a [illegible] ad eadem denominationem et post hoc subtrahe [illegible] et id quod [illegible] reduc ad [illegible] partem [illegible] subtrahe ab horis et minutis [illegible] et hoc quod remanet hoc [illegible] cum suis minutis et istis horis cum suis minutis adde vel subtrahe sicut oportet. Et similiter fac [illegible] tunc gradus solis et argumenti lune.

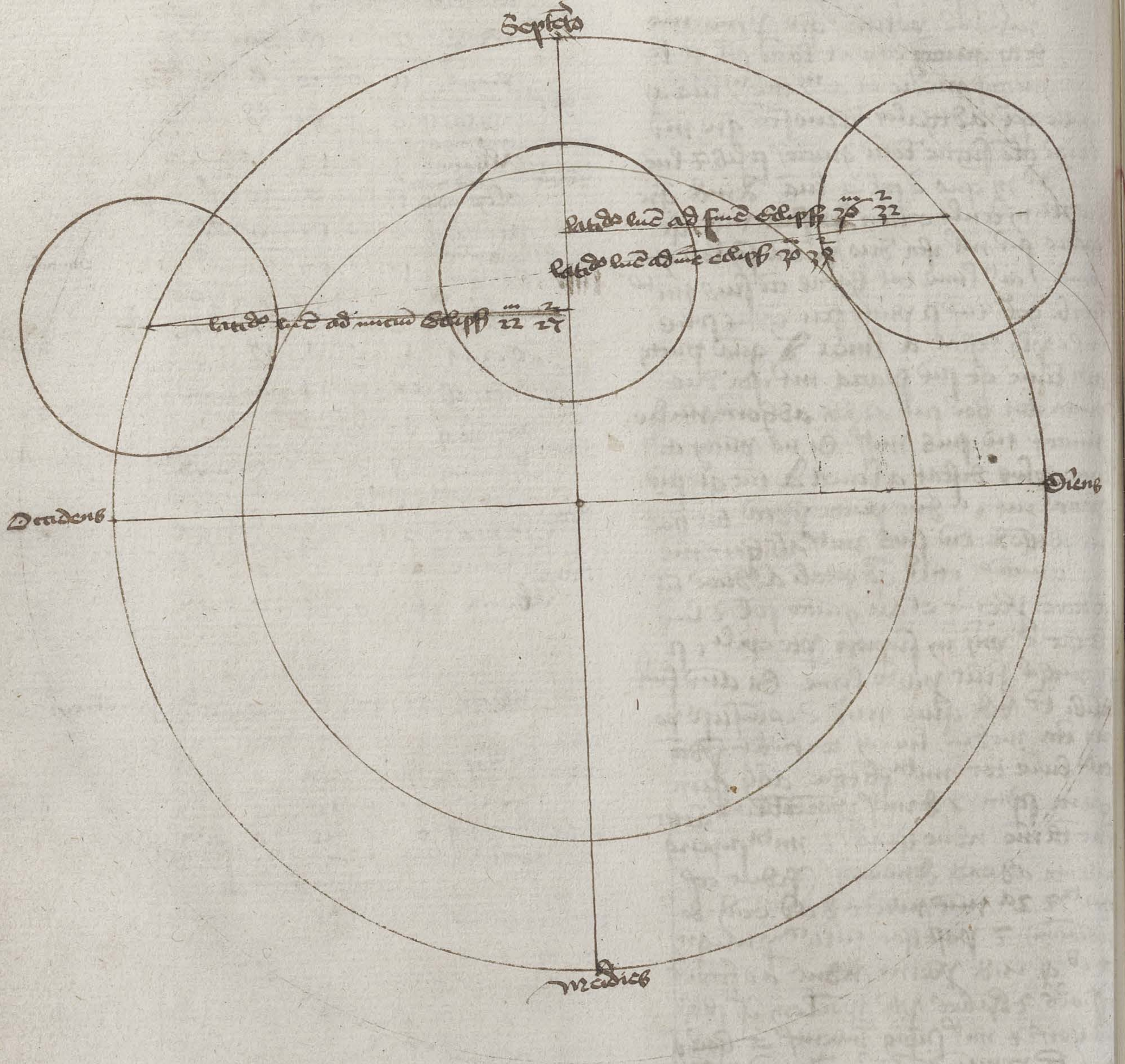
Tabula stellarum fixarum

Signa	Nomina	longitudo		latitudo		latitudo
30ª	stellarum	G	M	G	M	partem
Aries	Alnath	4	0	18	4	a lib
	Cruf	22	0	32	34	a l
Taurus	Almerbar	6	0	1	4	a l
	Aldebora	29	0	18	20	a l
Gemini	Rigel	11	4	10	[illegible]	meridi l
	Albayoth	6	0	23	28	a lib
Cancer	Alhabor (canis maior)	3	0	17	30	meridi l
	Algomeisa (canis maior)	13	0	4	71	a lib
Leo	Alpharab	9	0	17	0	meridi l
	Cor leonis (canis minor)	19	24 0	17	30	a l
	Ursa	20	0	37	30	a lib
Virgo	Cauda	1	0	11	18	a lib
	Azimech	22	0	13	0	meridi l
Libra	Alchimech	23	20	28	0	a lib
	Azimech	28	0	2	0	meridi lib
Scorpio	Yed	18	0	7	4	a l
	Alfeta	2	0	39	0	a l
Sagittarius	Alhaue	21	17	4	0	a lib
	Vega	10	0	24	0	a l
Capricornus	Albayr	21	17	4	0	a lib
Aquarius	Aldelaf	14	0	24	0	a lib
	Sarat	34	0	19	0	meridi l
Pisces	Almergeh	6	0	28	0	a lib
	Cauda ceti	30	0	22	0	meridi l

canicula

albayr

Ista est figuratio eclipsis lunaris que de 11 punctis erat et 1 minuto anno domini Millesimo cccc xxxix completo mense completo 11 die ...



Incipiunt Tabule vel Canones Campani

In nomine domini manifestum sit quod alio in opere compositorum et declarationum theorice capitulo vocabulo 1° in hoc opusculo declarare explicit hic instrumentum componere docet quo certis loca planetarum in proprio compmat invenire. Declaravi et sint modi motuum et ordinem ipsius compleatur. 2m quod continet de circulorum et magnitudinibus ipsius et distantia eius centra et proportiones distantias a centro terre. Explanabo etiam opera tabularum et docebo componere materiale instrumentum quibus modis motuum eius et magnitudines orbium distantiarum a centro terre. Deinde subtilitatem modi cognoscendi eorum planetarum instrumentum. Erit ergo in isto instrumento tres tabule rotunde equales continentes ambas superficies planas quantum possibile est ad modum tabularum in quibus ponuntur retes ut in astrolabio et similiter omnes ab eadem materia et magis stabilio quam tamen. In dorso autem matris ponas figuram mater sol in una tabula tamen ponas figuram lune ex una parte et figuram mercurii ex alia parte. In 3a autem ponas figuras veneris et martis. In tertia autem Jovis et saturni.

Ut autem in hoc instrumento modo simpli ponatur ea loca que ad solem equator fuit primo describam hic orbem signorum in dorso matris sicut super centrum dorsi et dividam 12 signa quorum sunt aries thaurus etc. et unum quodque eorum in 30. Ita sicut quod distinguitur in uno circulo singulos in gradus et colligam eos quinos et quinos et faciam hoc modo. Describam primo super centrum D circulum unum continentem sex gradus matris. Postea restringam circinum et super idem centrum describam alium circulum a primo distantem quod inter eos possit scribi commode numerus signorum. Iterum restringam circinum modicum tamen quantum sufficit primo et super idem centrum lineabo circulum alium tamen aliud solido distantem a 2o quod in tempore scribit tantum sint distantiae quinque. Rursum iterum 3o restringam circinum et faciam super idem centrum circulum quartum distantem a 3o quantum distat 2us a primo. Et inter eos possit fieri numerus graduum distantie D et E. Postea dividam circulum exteriorem in 12 partes equales et ponam regulam super centrum D et super quaslibet duas partes et continuabo circulum exteriorem istorum quatuor cum minori eorum. Plurima et qua non tangat minorem. Deinde in 2° circulo exteriori scribam nomina signorum incipiendo ab ariete ad aliquam sicut arietem scribam ipsam lineam per ea que in 12 dividam quod est in dextra parte et procedendo versus sinistra quoad thaurum in 2a gemini in 3a et deinceps. Postea istam dividam spatium quod est inter 2m spacium et 3m sub quolibet signo in 30 partes equales que erunt gradus quod faciam non dividam spatium in 6 partes equales et super quaslibet illarum et super centrum D ponam regulam et protraham lineam rectam a 2o circulo usque ad quartum

Et ita dicta spacium quod suppo-
nimus signo in circulis ele-
vationibus in sex gradus. Spacium
vero quod est inter quos [illegible]
quantum inter duos circulos me-
dios dicta in 1 partes equales
aliter spacium inter istos duos
circulos medios continu[illegible] dispo-
situm in 360 partes equales. Et si
[illegible] ... diametris [illegible] in-
ter duos circulos intrinsecos 1 3 3
et [illegible] signo. In pa-
[illegible] diametro 6 ... in 2 10
in 3 ... in 4 20 in ... 21
et in 6 30 et [illegible] ma
[illegible] ut in figura [illegible]

Postea consimabo punctum
ubi tantum arcus solis
in tempore tuo scilicet 3 initii [illegible]
[illegible] ... a [illegible]
[illegible] differentia minore celi [illegible]
[illegible]. Ex parte ergo puncti a
[illegible] ... alia
[illegible] ad libitum [illegible] quantum
volo distare [illegible] descendere sol
ab [illegible] signorum. [illegible] particula
ab residua [illegible] particulam [illegible]
[illegible] in quinque partes equales
et [illegible] in duas quinque ita
quod [illegible] sit divisa in 2 1 partes
equales quarum una sit [illegible]
[illegible] super [illegible]
c et lineabo super [illegible]
[illegible] c b [illegible] b c qui [illegible]
sol [illegible] quod dicitur incipiendo
a puncto b in 12 partes equales
et restringam [illegible]
lineabo [illegible] aliud super [illegible]
[illegible] c [illegible] primo [illegible] quod

[illegible] eos imponam diviso [illegible]
singulorum. Et [illegible] restringendum
[illegible] parte [illegible] quod [illegible] et
[illegible] super idem [illegible]
stante a [illegible] quod inter eos sunt
[illegible] dispositis [illegible]
et quinque [illegible] in [illegible]
[illegible] quadrato [illegible]
in [illegible] Item
restringam [illegible] et [illegible]
[illegible] super idem [illegible] distare
[illegible] a tertio quod inter [illegible]
[illegible] Item
[illegible] ponam [illegible]
super [illegible] c et super
[illegible] diametro [illegible]
[illegible] qui [illegible]
[illegible] quod in [illegible] et
[illegible] Item [illegible]
[illegible] in [illegible]
[illegible] et 2 in
[illegible] in 30 partes equales [illegible]
[illegible] dispositione [illegible]
[illegible] respiciendo
[illegible] distare
in [illegible] diametro [illegible] in
[illegible] duos circulos intrinsecos [illegible]
[illegible] modo [illegible]
[illegible] puncta [illegible] b [illegible]
[illegible] in [illegible]
[illegible] in
[illegible] in [illegible]
[illegible] incipiens [illegible] adulterium [illegible]
[illegible] omnia [illegible] ut
in parte [illegible] superiori [illegible]
Post [illegible] figura [illegible]
[illegible] intermissum [illegible]
[illegible] super [illegible] quod [illegible]
est [illegible] sicut [illegible]
[illegible] et [illegible] vel [illegible]
[illegible] et equale

Cum autem volueris equare solem per istud [illegible] primo medium motum solis ad tempus ad quod tempus volueris equare. Et pro [illegible] radice medii solis posita in libro in tabulis [illegible] [illegible] ad annos [illegible] et collectos cum annis [illegible] inter eam radicem ad tempus datum et capias [illegible] sol in illis annis, et [illegible] sub radice signa [illegible] gradus [illegible] minuta [illegible] minuta et 2a [illegible]. Postea intrabis cum mensibus [illegible] cum incompleti in tabula [illegible] si in tempore dato sunt [illegible] et cum diebus superfluis, et [illegible] motum solis in dicto [illegible] tempore dici completo, et cum motum in pona superiori [illegible]. Et [illegible] in [illegible] si sunt hore et minuta [illegible] in eius directo [illegible] et scriba [illegible] titulo [illegible] inferiore. Deinde tolle [illegible] si habueris. Et [illegible] et resultant [illegible] 60 in [illegible] scriba [illegible] minuta in loco [illegible]. Si autem 60 [illegible] in loco [illegible] et [illegible] ad [illegible] minutis [illegible] addeque minuta [illegible] totiens [illegible] habueris 60 in minutis. Et autem [illegible] 60 fuit relique in loco [illegible] ad i[illegible] tem. Et [illegible] addit [illegible] tot minutis [illegible] argumenti in [illegible]

sunt 60 si [illegible] supersunt et quod [illegible] argumenti [illegible] rit [illegible] tot [illegible] pona ad [illegible] potes [illegible] in loco [illegible]. Tunc [illegible] collige signa [illegible] superaddite [illegible] tot minutis [illegible] quot [illegible] generari [illegible] et quot [illegible] argumenti [illegible] in [illegible] respectabis [illegible] gradus [illegible] que [illegible] tot revolutiones [illegible] alterius partis in orbe [illegible]. [illegible] sta [illegible] signa [illegible] et minuta [illegible] argumenti [illegible] medius motus solis [illegible] alterius partis [illegible] suo ad tempus [illegible] aug [illegible] sol si potes [illegible] si [illegible] dius motus [illegible] annis [illegible] at [illegible] potes [illegible] si medius motus [illegible] minutis [illegible] et subtrahis [illegible] gem et quod [illegible] erit [illegible] sol. Tunc [illegible] ra [illegible] medio sol et [illegible] et [illegible] minus [illegible] et [illegible] [illegible] nota [illegible] sol [illegible] et tunc [illegible] ad [illegible] et [illegible] nota [illegible] et [illegible] in [illegible] 1° [illegible] et minuto [illegible] sol [illegible] adhora

proporcionem eius aut equatum vel mo
tu medio planete Item vero pun
tum istud ubi tangit linea recta egres
sa a centro terre cuspidis protrac
ta per centrum ipsius planete

Estat nunc ponere compo
sicionem instrumenti pro equacione lu
ne accipias itaque unam tabulam ro
tundam quam divide in primo quod
sit plana et bene polita ex
una parte et expolita parte eius
scribas in medio eius punctum d
super quod describas circulum unum ma
iorem quem poteris describere in ea et
sit iste circulus orbis signorum quem
dividas duabus dyametris per
quas dividatur in 12 signa et post eos
facias alios 3 circulos concentricos
ita quod secundus tantum distat a primo quod
inter eos scribantur nomina signorum
et tercius tantum a secundo quod inter eos
ponantur divisiones graduum totius circuli
et quartus tantum a tercio quod inter eos possunt
scribi numeri graduum signorum et consequenter di
stinctionum Et fiant hec omnia
circa situm in parte posteriori
istius circuli ita disposita nota
idem spacium modicum in una
duarum dyametrorum infra medio
circulum tamen quod equatur volo
rem distancie centri equantis epicicli
lune a centro mundi et tunc
divide istud spacium quod est inter centrum et
dyametrum usque ad punctum d di
vidam in nonaginta sex partes quod
sint facta per 12 et de eis sub
partibus de istis autem 96 partibus
accipias 12 partes quas pona
dimidium unius parte et d et
ubi terminatur pona notam c extra
centrum deferentis lune describatur
igitur circa centrum d et existentem spacium

[margin:] et 28 minuta

c d circulum c k qui erit circulus parvus
quod describit centrum deferentis lune
tunc centro orbis signorum et centro a
puncto c usque centrum equantis equa
accipias de predictis 96 partibus 60
partes et ubi terminabitur pona notam
a et centro puncti a puncto augis
deferentis et linea ac secundum
deferentis lune linealibus gradus super
centro c 2m spacium ac circulum a b
qui erit ipse deferentis lune Rursus
aut a puncto a versus centrum equantis
orbis signorum de predictis 96 partibus
accipias sex partes et tria unius
que sunt 20 minuta et ubi terminabitur
pona e centro puncti e puncti
augis epicicli quod centro epicic
culi e in auge deferentis facias
igitur super centro a et 2m spacium a e
circulum e f qui erit epiciclus lune
quem divide in 12 signa et quodlibet
signum in 30 gradus ut in ea possit
videri omnis motus centri lune secundum
ad epiciclus lune e f c est quod
quia propter dictum regnat minimus
enim oportet instrumentum esse magnum
ad quod ut possit epicicli in ea dividi
2m omnibus post 3ditio super centro a
describas circulum aliud tangentem circumferentiam
circulat epicicli secundum grados 96 ponam
Centro secundum dyametrum ponam centro
23 partes 22 minuta de predictis partibus
describas infra istud circulum et
super idem centro describas circulum aliud
distante a priori quod inter eos possunt
360 de gradum divisiones scribi Itaque
infra illud circulum et super idem centro
facias circulum tantum distantem a secundo
quod inter eos possunt poni numeri graduum
distinctionum per quinque et 1 Rursus
super idem centro facias circulum quartum tantum
distante a 3o quod inter eos possunt
scribi nomina signorum que omnia et cetera

diviones ipsorum facta per intersec-
tiones signorum in tabulo ecentro solis
Sz in secundo unum gradum et
signorum facta centro 1° ei opposi-
ta in sole incipiat primo ab altitu-
dine et procedat sursum usque
[illegible] quod ut pars usque
tra via linea in superiori parte
sui [illegible] modo usque [illegible]
[illegible] et [illegible] usque [illegible]
omnis aut alij parte [illegible]
quod aut sic ita [illegible] facta [illegible]
quod [illegible] descensus quod [illegible]
modo [illegible] orbis signorum quod
[illegible] usque [illegible] et
[illegible] signorum et [illegible]
[illegible] descensus [illegible]
oriens et ad [illegible] signorum [illegible]
[illegible] et sit enim opt-
ere [illegible] usque instrumenti
aut facta [illegible] modo [illegible]
[illegible] in [illegible] quod [illegible]
[illegible] et interiore 4or [illegible]
que [illegible] dispone-
[illegible] signorum et facta
[illegible] equalis [illegible]
[illegible] fuit [illegible] apto
ad quod ut et tabula plana [illegible]
et equalis [illegible] ita [illegible]
quod ista tabula et [illegible] sint equalis
alia [illegible] et sit ista grauitas
tate [illegible] et [illegible]
tabule quod [illegible]
alia [illegible] in qua
a [illegible] collocari et
fiat ista grauitas non [illegible]
[illegible] descendens [illegible]
[illegible] in [illegible]
nat usque [illegible] ut [illegible]
in ipsa grauitate locata non
possit [illegible] ipsa [illegible]
Postea faciam [illegible] ista
[illegible] quod [illegible]

tabula motus [illegible] que
[illegible] fuit in grauitate
[illegible] in ea [illegible]
formis et equalis in qua
[illegible] descensus linee
et [illegible] in [illegible]
[illegible] et optima et [illegible]
descensus quod [illegible]
[illegible] in tabula ista duas [illegible]
los [illegible]
tabula [illegible] optime [illegible]
[illegible] sit [illegible] et [illegible]
[illegible] qui
sit [illegible] Post quod [illegible]
[illegible] ita [illegible] faciam
in ista [illegible] tabula
motus [illegible]
alia [illegible] et [illegible]
in et facta [illegible] quod [illegible]
sit [illegible] grauitas ista [illegible]
[illegible] quod [illegible] in ea [illegible]
[illegible] grauitate [illegible]
in qua [illegible]
[illegible] optime [illegible]
sit ipsa [illegible] de [illegible]
[illegible] interiori [illegible] parte
[illegible] in parte [illegible]
[illegible] ut [illegible]
tate non possit [illegible]
Postea facta [illegible]
ista grauitate [illegible]
tabula motus [illegible]
[illegible] descensus [illegible]
descensus linee et [illegible]
[illegible]
et facta in ea [illegible]
grauitate in parte que [illegible]
[illegible] 4or [illegible]
[illegible] optime [illegible] et
interiori [illegible] modo quod ipsa re-
[illegible] ad interiorem et [illegible]

in tercii spere centri punctum pasp[er]
ergo ei alba, deinde faciam
talem istis similiter [a]ugtem qualis ...
tales motus epicicli in sua e-
centrica epicicli optime super stare
per quatuor filos et quas divisiones
reperiendo modos quarum et contrarii
gradus sicut in spera. Deinde
partis equent[em] talem motus ep[icic]li
in sua concavitate et faciam talem
motus centri epicicli in sua et
talem motus centri ecentrici in sua.
Et sint omnia ista ita ordina-
ta quod nec ista, sed talia, super emi-
neat alteri, sed omnia contineantur
et contecta sint prout superficies
ena. Et quod qualibet talia moveat-
ur in concavitate sua motu lenti et
equali ita quod talia concreta con-
gat contineat eorum parte et
eorum modo. Post ista vo-
faciam signum unum notabile in
puncto augis deferentis et in pun-
cto epicicli optime circulatoris
et figam clavum tenuem perfectum
centrum eius hasta sit tenuis
sua super terre ubi figitur quod c
punctum d et a in superficie epicli
quod est punctum a, et aliud sup[er]
punctum quod est centro c, sed operi-
augis deferentis et in puncto
b et ligabis ad punctum tigli
...os clavos tenuem filum e-
qualiter tenuissimum et equale.
Sic itaque volueris equare lunam
pro instanti medio tempore
ad quod propono volo equare in talem
medium motum lune medium centrum

et centri medii reperiendo radicem
tabularum secundo ... tempus anni equales
intrans collectis ... medio ...
diebus horis minutis et secundis quod oc-
casio ad medium sit motus me-
dius lune ad radicem medium mo-
tus lune. Et motus elongationis
seu centri medii ad radicem eius
et motus argumenti lune ad radicem
eius et quolibet ad suum terminum
ut sit a ... minuta ... minuta ... gradus
gradibus ... signis ... pro
gradibus per computando ... signum
quod est ... quod ... cur-
rerint ... ... sic ... una
... in loco signorum quod quod minu-
erunt reputanda. Deinde tamen
medium centrum ... partis sit
inventum ... medium motus
... ad id tempus medium ...
motus lune et duplando reperiam
et erit id duplatum centrum medium
lune a distantia sint augem
lune ecentrici lune et medium
motum lune ... ... fiat ...
... accipiam ... centrum medium
motum lune et ... ...
... ... ab ...
... ... facta nota ... ...
... ...
... ... distantie lune ...
... signorum ... ...
... facta nota ... ibi ...
... medium centrum eius ...
itaque loco ... antecedit
... ... locus
medius antecedit ... luna ita
quod ... sit in ... ...

Ubi[illegible] et facia notetur [illegible] italis filum ligatum ad punctum d et extendam ipsum, et faciam tamen p[er]transeat notam [illegible], [illegible] tabulam ta[bu]la motus tertii centri et quicquid [illegible] differentie lune ca dat [illegible] isto filo. Deinde pona istud filum extensum super notam s[ecun]dam que tenet medium mo tum lune / et maneat ta[bu]la mo tus tertii centri fixa [illegible] in quo [illegible] augis centri deinde [illegible] ta[bu]la motus centri epicicli, quicquid centrum epicicli tadat [illegible] isto filo. Et [illegible] differentie et centrum epicicli lune deposita in isto [illegible] in [illegible] quo fiet in celo / Est enim [illegible] [illegible] puncto orbis signorum [illegible] quo [illegible]. Vel quacumque secundum medium motum eius tamen in [illegible] post [illegible] [illegible] lune, et [illegible] ipsum epicicli [illegible] secundum motum lune in epiciclo. Et ubi [illegible] in epiciclo facia po ta tunc [illegible] filum liga tum ad punctum [illegible] et ipsum [illegible] facia [illegible] centri epi cicli usque ad [illegible] [illegible] Et tunc [illegible] ta bula motus epicicli quicquid centrum epicicli cadat [illegible] isto fi lo. Et tunc filum ligatum ad [illegible] epicicli [illegible] punctum a [illegible] [illegible] ad notam [illegible] [illegible] medium centrum lune / et [illegible] ubi filum istud [illegible]

secundum [illegible] et [illegible] que [illegible] [illegible] lune [illegible] et [illegible] id [illegible] filum ligatum ad punctum d. et ubi filum secabit [to] orbem signorum ibi erit luna [illegible] [illegible] motum. Si autem [illegible] [illegible] luna sit [illegible] tarda vel velox [illegible] quod filum quod alligatum ad punctum d. [illegible] epiciclum [illegible] [illegible] partem [illegible] si [illegible] luna in [illegible] superiori [illegible] duobus [illegible] erit [illegible] tarda / Si autem in inferiori [illegible] erit velox [illegible] [illegible] [illegible] lune [illegible] [illegible] centri epicicli et differentie [illegible] sufficiat /

Modus [illegible] [illegible]

[illegible] [illegible]

[illegible] [illegible] [illegible] si [illegible]. Situabis ta[bu]la [illegible] [illegible] [illegible] ordinavi in [illegible] lune et [illegible] alteram [illegible] [illegible] plana [illegible] [illegible] plus [illegible] [illegible] [illegible] in medio eius punctum d [illegible] [illegible] ta[bu]la [illegible] [illegible] [illegible] et sit iste circulus orbis signorum [illegible] [illegible] alios [illegible] [illegible] distat [illegible] [illegible] [illegible] [illegible] [illegible] possint [illegible] nova [illegible] scribi. Et [illegible] [illegible] [illegible] possint [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] possint [illegible] [illegible] distinctio [illegible] et [illegible]. Et [illegible] [illegible] duabus dyametris

d[illegible]

ortogonali se secantibus super
centrum eorum quarum una transeat
per polos zodiaci et alia similiter libre
et per zodiacum alia [illegible] in ea cir-
cumferentii et dividat eos in 4 partes
et ordinatione eorum divisione et in-
tellectum experientia scilicet patet ostendens
de sole et luna / Cum autem
experientiis reliqua circumferentia
per polos zodiaci [illegible] in una quarta [illegible]
tum diametri in illa scilicet que
transit per polos zodiaci libre et que
[illegible] et per zodiacum ~~[illegible]~~ et [illegible]
~~[illegible]~~ tam spere
quod volo distare terram a cen-
tro sicut dicimus de spera [illegible]
terre distat [illegible] sic [illegible]
terre [illegible] [illegible] in ipso
ipso [illegible] maiore [illegible]
circumferentia possit [illegible]
terre [illegible] ut sic [illegible]
[illegible] sicut dicimus [illegible]
descendere [illegible] si [illegible]
descendere / et [illegible] [illegible]
[illegible] maiore descendere
quod [illegible] nos facere [illegible]
terram [illegible] dicimus [illegible] super
[illegible] [illegible] [illegible]
ut in [illegible] circumferentia possit [illegible]
[illegible] et descendit [illegible] [illegible]
[illegible] / [illegible] [illegible] [illegible]
[illegible] et [illegible] dicimus [illegible] [illegible]
[illegible] maiore descendere / et [illegible]
[illegible] / [illegible] [illegible]
[illegible] et [illegible] diametro
[illegible] ad [illegible] in 3 32
partes et [illegible] [illegible] [illegible]
[illegible] [illegible] / et [illegible]
[illegible] 90 [illegible] / [illegible]
in 3 [illegible] actu [illegible]

[illegible] experimentum [illegible] / [illegible]
[illegible] [illegible] [illegible] una [illegible]
30 32 [illegible] erit [illegible]
[illegible] [illegible] summa in [illegible]
to [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] / [illegible]
[illegible] terre [illegible] [illegible] de [illegible]
terre descendit [illegible] [illegible]
[illegible] super [illegible] de [illegible]
terram [illegible] qui et [illegible]
[illegible] / [illegible] punctus [illegible]
[illegible] [illegible] [illegible]
punctum [illegible] descendit [illegible] descendit
in [illegible] [illegible] in qua terre
[illegible] [illegible] descendit [illegible]
[illegible] [illegible] [illegible] circumferentia
summa [illegible] diametro [illegible] a
[illegible] sit 20 partes [illegible] 32
partibus / [illegible] puncto [illegible]
[illegible] / sit [illegible] descendit / [illegible]
[illegible] / [illegible] descendit / [illegible]
[illegible] super terre [illegible] 27
[illegible] a [illegible] a b qui
erit [illegible] [illegible] [illegible]
[illegible] a puncto [illegible] circumferentia
summa [illegible] a e [illegible] [illegible]
diametro [illegible] sit [illegible] partes / et
[illegible] [illegible] 32 [illegible]
[illegible] puncto [illegible] [illegible]
[illegible] [illegible] a e [illegible]
[illegible] super terre [illegible] 27 [illegible]
a e [illegible] [illegible] qui et
[illegible] [illegible] [illegible] 3
alios [illegible] [illegible] / et
[illegible] in 2 [illegible] / et [illegible]
in 30 [illegible] / et [illegible] [illegible]
[illegible] [illegible] que [illegible]
experientia [illegible] in [illegible] [illegible]

[illegible] [illegible]
19 30

32 [illegible]
3 [illegible]
[illegible]
[illegible]
[illegible]
[illegible] [illegible]

contemplatio quod inter circulum et pers
celum quoniam unus circulus incipiens a
linea augis eccentrici et procedens
similiter usque summum sic fa-
celo accepto sol [illegible]
ad descriptos partibus [illegible]
et medie partis. Est enim [illegible]
c d. 30 partis et medietatis
partis super celum [illegible] quod
[illegible] sic descriptum
[illegible] qui tunc [illegible]
[illegible] 2 partium [illegible]
super [illegible] descripta [illegible]
aliud secundum quod tunc distat a
[illegible] possit [illegible]
[illegible] secundum et
super [illegible] facta [illegible] 3
distat [illegible] quod [illegible]
possit [illegible]
[illegible] 7 et 4 [illegible]
[illegible] illud [illegible] et super [illegible]
[illegible] facta [illegible] 4 [illegible]
distat a 30 quod [illegible]
[illegible] secundum [illegible]
[illegible] aut [illegible]
[illegible] quibus fuit
[illegible] et [illegible]
[illegible] quod [illegible]
[illegible] aut [illegible]
Hoc enim [illegible]
in omni [illegible]
quod ad [illegible] illius [illegible]
[illegible] linee [illegible]
[illegible] Hoc [illegible]
[illegible] centrum
et [illegible] ab auge
et [illegible] usque [illegible]
[illegible] collis

Vestra oz un fare quod celi
descriptis motus [illegible]
celo et sic super [illegible]
[illegible] Et [illegible]
[illegible] descriptis [illegible]
Hoc enim facta [illegible] in [illegible]
quod [illegible] possit in [illegible] descripta
enim [illegible] et duos [illegible]
[illegible] descriptis [illegible]
[illegible] medietate a
centro descriptis 32 partibus
et [illegible] aliud [illegible]
[illegible]
[illegible] celorum [illegible] m . n .
[illegible] p q . Super celum
[illegible] quod [illegible]
[illegible] duos [illegible]
[illegible] m
medie [illegible]
p o [illegible]
p q [illegible] qui sit celo
[illegible] et o
[illegible] minorem [illegible]
qui [illegible] sit [illegible]
[illegible] et 3 [illegible]
et [illegible] descriptis
[illegible] 3 [illegible]
[illegible] ut
sit [illegible]
[illegible] signum [illegible]
[illegible] de [illegible]
[illegible]
[illegible] eccentricos
[illegible] qui [illegible] auge
et [illegible] usque [illegible]
[illegible] de [illegible]
[illegible] enim celo [illegible]
[illegible] descripta [illegible]

cuspis motus centri equantis
combonis istius tabule motus
centri deferentis. Continuabis etiam
spacium quod est inter duas cetas (?) ibi v. s.
et t. z. ita quod in gravitate eius
continebitur tabula una plana un-
[illegible] quod ipsa possit et contra
[illegible] per istam gravitatem quod
tabula sibi imposita non possit
inde excedere. Post hoc scindatur
tabula ista gravitatem [illegible] quod vocatur
tabula motus centri eccentrici et libe-
ra deferentis cuius centrum a b tu equalis
cum est c f et duos circulos descri-
bes deferentia quorum sunt m n et p
q secundum magnitudines suas. Postea
ac gravabis in istam tabulam totum
spacium quod est inter duos circulos m
n et p q ita quod gravitate
illa ingrediatur tabula alia plana
[illegible] gravitate [illegible] [illegible]
tum quod ipsa possit [illegible] [illegible]
deinde facias aliam tabulam ista [illegible]
gravitatem [illegible] quod vocabis tabulam
motus centri epicicli et libere [illegible]
sentis et epicicli [illegible] [illegible]
secundum [illegible] epicicli. Postea
[illegible] in ista tabula gravabis [illegible]
totum spacium quod est [illegible] et in
[illegible] epicicli et facias tabulam
[illegible] isti gravitati [illegible] quod vocabis
tabula motus epicicli et deinde
ea et [illegible] [illegible]
[illegible] epicicli. Postea ordinabis
[illegible] [illegible] in gravitate
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] et omni
[illegible] [illegible] [illegible] in ea motu
modo et moveatur in ea [illegible]
lem et [illegible] et non possit [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible]. Postea [illegible] [illegible] [illegible]
[illegible] [illegible] in tabula motus

centri [illegible] [illegible] deferentis [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] et z
et a d in [illegible] epicicli [illegible]
[illegible] [illegible] clavum in puncto a et
[illegible] in puncto b. [illegible] [illegible]
in puncto d et ligabis ad [illegible]
[illegible] [illegible] [illegible] [illegible]
filum [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
Cum ergo volueris [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] equare
in tabula medii motus [illegible] [illegible]
[illegible] medium motum [illegible] que [illegible]
[illegible] medio motu [illegible] [illegible]
[illegible] auge [illegible] et [illegible]
manet [illegible] [illegible] medium [illegible]
[illegible] [illegible] [illegible] [illegible] tabula
medii [illegible] [illegible]. Est autem
[illegible] [illegible] [illegible] [illegible] ab
auge epicicli [illegible] [illegible] [illegible]
medio et [illegible] medio [illegible]
[illegible] medii [illegible] in [illegible] [illegible]
et in tabula motus centri deferentis
et facias [illegible] nota [illegible]
vel [illegible] vel [illegible] in [illegible]
[illegible] [illegible] medii [illegible] [illegible] [illegible]
[illegible] epicicli et facias [illegible] [illegible]
tam. Postea [illegible] [illegible]
auge tabule [illegible] [illegible]
auge [illegible] [illegible] deinde [illegible]
[illegible] filum ligatum ad punctum
et [illegible] [illegible] super notam
[illegible] in tabula motus centri deferentis
et [illegible] [illegible] tabula motus [illegible]
[illegible] et [illegible] filum [illegible] [illegible]
[illegible] [illegible] tabule [illegible] [illegible]
nota [illegible] [illegible] deinde [illegible]
[illegible] filum ad punctum [illegible] [illegible]
ad notam [illegible] in [illegible] [illegible]
[illegible] tabule motus centri deferentis
[illegible] [illegible] [illegible] [illegible]
[illegible] filo et [illegible] ad notam
[illegible] motum [illegible] medii [illegible]

et secundo sic tabula super sur-
solidum regula motus ... [illegible]
ab aurem orientem ... [illegible]
et cuius circuli ... [illegible]
filo isto ... [illegible]
... et ... [illegible]
augis medie ... adque ... [illegible]
corporis ... est in loco [illegible]
... nota quod ... [illegible]
... nota fu-
... filum ligatum ad
... [illegible]
... signorum et ubi fe-
cit ibi erit ... [illegible]
adque ... [illegible] ... si at ... [illegible]
... [illegible]
... [illegible]
... filum ligatum
ad punctum ... [illegible]
... [illegible]
... nota ... in circulo cadat
... inter duos
... aut in inferiori ... in
... [illegible]
... si aut in inferiori
... filum ligatum ... ad
... in circulo
... locum ... [illegible] et ...
locum in orbe ... filum
... [illegible]
filum in circulo ... [illegible]
... et ... [illegible]
... signorum ... si i-
nter duas ... [illegible]
... [illegible]
... [illegible]
in stacione prima ... [illegible]
... [illegible]
... [illegible]
aut ... inter duas ...
... signorum ... [illegible]
... [illegible] ... si aut ... [illegible]

... [illegible] ... subtili ... [illegible]
... qui ... [illegible]
... et qui et instruc-
... aut qui incipit ... [illegible]
... [illegible]
... [illegible]
... aut ... in ... [illegible]
... [illegible] ... ad-
... [illegible]
... ad ... [illegible]
... [illegible]
... et ... ad ... [illegible]
... [illegible]
... et ... ad ... [illegible]
... [illegible]

Visitacio ... quis
est declarare qualiter fa-
... instrumento ... [illegible]
planetas ... veneris ... Jovis
et Saturni ... aut
... in aliis ... modus
operandi ... distancie
... magnas ... [illegible]
erunt in eis ... [illegible]
quod Saturnus et Jovis ... nos
... circulo optime ... [illegible]
... in luna ... plures
... in istis duobus ...
... dies 365 ... [illegible]
magis ... multum ... [illegible]
magne materiis ... [illegible]
... duas ... tales
... de quibus fuit ...
... quas ... et ... [illegible]
planetas ... et
in una ... Veneris et
Mercurii et in ... Jovis et Sa-
turni ... [illegible]
... [illegible]
... [illegible]
in ea ut ... [illegible]

signorum et faciat quartos tantos
tangentes ut possimus in tercia
parte nona signorum et dictiones
secundum [illegible] collectas [illegible]
et [illegible] et minutas [illegible] secundum
sit [illegible] in planis productis et
quadrato [illegible] duabus lineis
ortogonaliter secantibus super par
tes et [illegible] una istarum
dyametrorum in venere sit caput
[illegible] 21 minuta cancri
in marte aut [illegible] octavum
[illegible] leonis In Jove 10
[illegible] minuta [illegible] gradum
virginis In saturno [illegible] 29 minuta
[illegible] gradum sagittarii Erunt
[illegible] auges istorum planetarum in
dyametris productis sub productis
[illegible] orbis [illegible]
aut auges erunt [illegible]
[illegible] orbis [illegible] dyametri
[illegible] reliqua aut
in [illegible] dyametri [illegible]
auges [illegible] planetarum [illegible]
[illegible] quarta [illegible] qui
sunt [illegible] ordinem signorum [illegible]
[illegible] distare [illegible]
[illegible] super [illegible]
alteo [illegible] in [illegible] quarta [illegible]
[illegible] ut in
[illegible] ut
medio [illegible] ita ut
[illegible]
[illegible]
in [illegible] residua [illegible]
[illegible] et in [illegible]
[illegible] in venere et in marte
in 60 [illegible] et [illegible]
[illegible] a [illegible]
[illegible] una parte et [illegible]

[illegible]

et [illegible] penna notam
[illegible] centri [illegible] et [illegible]
dum [illegible] in medio [illegible]
[illegible] et [illegible]
[illegible] a [illegible]
[illegible] 30 partes
[illegible] productis [illegible] et [illegible]
[illegible] penna notam [illegible]
[illegible] a [illegible] et [illegible]
[illegible]
[illegible] et [illegible]
[illegible] dyametro
[illegible]
21 partes et [illegible]
[illegible] productis [illegible]
[illegible] penna notam [illegible]
[illegible]
[illegible] e [illegible]
In marte aut [illegible]
[illegible] 6 partes
et [illegible] qui sit
[illegible]
in [illegible] centri [illegible]
[illegible] et [illegible]
penna [illegible] 30 partes [illegible]
[illegible]
et [illegible] 30 [illegible]
[illegible] productis [illegible]
[illegible]
[illegible]
[illegible]
[illegible] et [illegible]
[illegible] 60 [illegible]
[illegible] a 40 [illegible] In mercurio
[illegible] partes [illegible]
[illegible] partes In saturno [illegible]
[illegible] super [illegible]
[illegible] qui erunt [illegible] et
[illegible] et in [illegible] sit
[illegible] in [illegible] In Jove
[illegible] et [illegible]

residuum usque ad punctum d. i.
20 partes et pone lineam
d k in zona at quinque partes
et medietatem partis in saturno
aut sex, et quinque partibus per
[illegible] quod [illegible] 20 partibus
et dividatur in duo equalia
[illegible] punctum e. Circulus autem
k eius equans, et punctum e
circuli deferentis, et pone lineam
e d 60 partes, et linea d e
pone in Jove xi partes et
medietatem partis, in saturno
aut 6 partes et medietatem
partis. Circulus linea a b secundum
deferentis et linea a e secundum
equantis describatur in circuli
deferentis quedam circumferentia a b. et
equantis circumferentia e f. Circulus d
[illegible] planetarum [illegible] circulus ille epicicli
[illegible] residuum aut quod
[illegible] partibus 20 et in Jove
[illegible] 10 partibus in saturno 2 2/3
partes et [illegible] [illegible] partis
[illegible] [illegible] partium [illegible]
[illegible] [illegible] [illegible]
[illegible] super centrum k [illegible]
loco equantis et super d [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible]. In reliquo spacio
aut [illegible] [illegible] describantur in
[illegible] [illegible] super punctum a quod
e centrum epicicli [illegible] quod po-
tero [illegible] [illegible] qui erit epi-
cicli optime [illegible]. Et
epicicli Veneris et Martis et
istos duos epiciclos optime [illegible]-

latos in 360 partes sicut [illegible]
circulos [illegible], et [illegible]-
labo [illegible] [illegible] sicut quod [illegible] epiclo
[illegible] describatur [illegible] [illegible]
tero [illegible] duos circulos [illegible]
spacium [illegible] [illegible] [illegible]
in Venere et Marte et epiclo
optime [illegible] in Jove et
saturno et sit [illegible] [illegible]
et alius [illegible] [illegible] [illegible]
et sit [illegible] [illegible] ita quod
[illegible] et [illegible] [illegible]
spacium quod [illegible] duos circulos
[illegible] [illegible] quod [illegible] [illegible]
in media tabula una plana
ita quod ipsa [illegible] possit [illegible]
[illegible] sicut [illegible] [illegible] quod
tabula [illegible] [illegible] non possit
[illegible] egredi. Postea summa
[illegible] [illegible] [illegible] [illegible]
quod [illegible] tabula [illegible] [illegible]
epicicli [illegible] in ea describatur
et epiclo [illegible] [illegible] [illegible] et in
[illegible] epicicli [illegible] [illegible] [illegible]
[illegible] [illegible] in Venere et Marte
[illegible] aut et optime in Jove
et saturno. Postea [illegible]
[illegible] in ipsa tabula [illegible] [illegible]
[illegible] [illegible] quod [illegible] [illegible] [illegible]
[illegible] epicicli et summa
tabula a [illegible] [illegible] [illegible]
quod [illegible] tabula [illegible] [illegible] epicicli
et [illegible] [illegible] et [illegible] [illegible]
[illegible] et [illegible] epicicli [illegible]
ea ordinabo [illegible] [illegible] in [illegible]-
[illegible] [illegible] [illegible] quod [illegible] [illegible]-
[illegible] [illegible] [illegible] [illegible] et
[illegible] modo et quod moveatur
[illegible] ea [illegible] [illegible] et [illegible]
et non possit egredi [illegible]. [illegible]
[illegible] tabula [illegible] [illegible] [illegible]

quadrans eius et de mercurio et luna
et sicut unumquodque istorum visibile
a auge et epicicli de equationibus
in venere et marte. Item auge
eius et epicicli equationibus in Iove et
Saturno figura quod erunt unum
in puncto b et aliud in puncto d
et tertium aliud in centro epicicli de
Iovis et saturni. Et sic de luna
ubi ad punctum unius vero tamen certa
istorum unum filum de centro
terminis ... certe ... in
mercurio et in luna.
Cum ergo volueris equare
istorum quatuor planetarum per isto
instrumento
...m et argumentum medium a tabulis
... voluntatis ad tempus datum et
... medium centrum equa in
... autem medium argumentum
in epiciclo. Et fac notam unam vel
... vel filum in ... in-
... ... in ... et
epiciclo. Et ... filum ligatum
ad punctum b super notam ...
et ... tabula medium re-
... ... centro epicicli
cadat ... filo ... tablam
... medium epicicli ...
... filo ... auge epi-
cicli ... filo. Et si fuit
opus ad venerem vel ad mar-
tem filum ligatum ad punctum d
fac tunc ... epicicli ubi
terminatio fiat medium ...
locum in orbe signorum ubi
ipsum filum secabit orbe signorum
erit verus locus planete. Si autem
opus fuit ad Iovem vel ad
saturnum filum ligatum ad centrum
epicicli fac tunc ... epicicli
ubi terminatio fiat medium argumentum
et ... epicicli de equationibus
ubi filum id secabit ipsum fac
tunc filum ligatum ad punctum
d et locum in orbe signorum ubi
filum id secabit erit verus locus
planete. Medius autem motus ve-
neris est ... solis. Et
cetera autem sunt tabule

Tabula ascensionis signorum in circulo recto

G	g	m	g	m	g	m	g	m	g	m	g	m	g	m	g	m	g	m	g	m	g	m	g	m	g	m	g
7	4	37	32	42	63	2	7	7	28	34	23	60	72	7	4	31	32	42	63	2	7	7	28	34	23	66	12
10	9	11	34	34	68	24	10	10	13	42	29	41	33	10	9	11	34	34	68	21	10	10	13	42	29	41	33
17	13	44	42	30	13	42	17	16	18	44	30	45	12	17	13	44	42	30	13	42	17	16	18	44	30	45	12
20	18	24	42	31	49	4	20	21	39	12	26	8 0	49	20	18	24	42	31	49	4	20	21	39	12	26	8	29
27	23	8	12	34	8	4	33	27	26	18	14	18	8 7	27	23	8	12	34	8	4	33	27	26	18	14	18	8 27
30	24	13	14	44	90	0	30	32	13	62	4	90	0	30	24	13	14	44	90	0	30	32	13	62	4	90	0

30a

dies	Tha	Gem	Canc	Leo	Vgo	Libra	Scor	Sagi	Capricorni	Aq	pisces

Dr.	g	m	Nomina Stellarum		longitudo g	m	latitudo g	m	magnitudo stelle	pars latitudo
	19		Virgiliarum	Tau	19	0	44	0	2	al
	18		Gallina		20	0	21	30	3	al
	18		Alhabor	Gem	2	0	11	0	1	al
	16		Albegandich		9	30	44	30	1	al
	16		Rigel		12	0	9	40	1	mi
	16				12	20	24	30	2	al
	14				16	0	1	40	2	mi
	15		Orion		20	30	6	40	1	al
	14		Alhabor Canis	Can	4	30	16	20	1	mi
	19		Algomeisa	Can	13	0	6	40	1	al
	20		Algomeisa		13	17	29	30	1	al
Aq	20		Cor leonis	Leo	20	30	14	40	1	al
			Circinator	Virgo	2	30	64	40	1	al
			Vega minor	Libra	3	0	8	10	1	al
			Spica	Libra	17	0	8	20	1	al
			Alhaiote		29	0	22	0	1	al
			Alhaiote	Cap	4	0	38	0	1	al
			Alkaid		20	30	6	30	1	al
			Albeyr	Aq	4	0	42	30	2	al
				Aq	14	0	4	0	2	al
					34	0	21	30	2	al
					24	0	11	30	2	al

albeyr

Iste stelle q[ui]bus c[on]s[tr]u[un]tur astrolabium sunt ... 29 ... q[ui] gemini ... se[cundu]m ... dicitur ... et ... magis ... ut gallina ... et galaxia ... q[uod] ... ad ... maxime ... semper ... magis ... cor leonis ... comunis ... astrolabii

Tabula conversionis graduum et minutorum altitudinis solis ad minuta horarum

60		50		40		30		20		10	
G	M	G	M	G	M	G	M	G	M	G	M
5		4	10	3	20	2	30	1	40	0	50
5	30	4	35	3	40	2	45	1	50	0	55
6		5	0	4	0	3	0	2	0	1	0
6	30	5	25	4	20	3	15	2	10	1	5
7		5	50	4	40	3	30	2	20	1	10
7	30	6	15	5	0	3	45	2	30	1	15
8		6	40	5	20	4	0	2	40	1	20
8	30	7	5	5	40	4	15	2	50	1	25
9		7	30	6	0	4	30	3	0	1	30

Tabula conversionis graduum altitudinis solis ad minuta et horas

1 gradus		2 gradus		3 gradus		4 gradus		Hore
M	2a	M	2a	M	2a	M	2a	
12	0	24	0	36	0	48	0	5
10	55	21	50	32	45	43	40	
10	0	20	0	30	0	40	0	6
9	14	18	28	27	42	36	56	
8	34	17	8	25	42	34	16	7
8	0	16	0	24	0	32	0	
7	30	15	0	22	30	30	0	8
7	4	14	8	21	12	28	16	
6	40	13	20	20	0	26	40	9

Tabula pro inveniendo augibus ad annos menses dies et horas

Anni	g	2	3	4	5	6	7
24	12	5	26	12	20	35	
10	6	2	43	6	10	11	30
8	4	50	10	28	56	14	
4	2	25	5	14	28	7	
2	1	12	32	37	14	3	30
1	0	36	16	18	37	1	45
Menses							
8	0	24	10	52	24	41	12
6	0	18	8	9	18	30	52
4	0	12	5	26	12	20	36
3	0	9	4	4	39	15	26
2	0	6	2	42	6	10	18
1	0	3	1	21	33	5	9
Dies							
15	0	1	30	40	46	32	38
8	0	0	47	20	23	16	17
4	0	0	22	40	11	38	8
2	0	0	11	20			
1	0	0	5	40			
Hore							
8	0	0	2	2	40		
6	0	0	1	32	0		
4	0	0	1	1	20		
2	0	0	0	30	40		
1	0	0	0	15	20		

Nota pro inveniendo auge de diebus [illegible] per aliquem [illegible] [illegible] adde [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] operacionem

Nota hic pro inveniendo auge in diebus [illegible] per aliquem mensem [illegible] [illegible] [illegible] [illegible]

Nota quod sol numquam eclipsatur in capite draconis sed semper prope et numquam eclipsatur prope caudam et hoc contingit propter diversitatem aspectus lune. Item si sol plus distat quam 6 gradibus a capite et ascensio lune ad orientem [illegible] meridiem. Item si luna distat 4 gradibus [illegible] eclipsatur [illegible] tota. Item si luna plus distat a capite 4 gradibus post [illegible] ad meridiem [illegible] a capite tot gradibus distat post [illegible] ad orientem et [illegible] a cauda [illegible] luna a cauda plus 4 gradibus distat observando et ad [illegible] et observando ad meridiem.

Item [illegible] climate ad [illegible] eclipsis sit possibilis [illegible] si vero [illegible] latitudo fuerit 18 (20) gradibus vel minus [illegible] ad 3 gradibus [illegible] et post [illegible] a capite si vero fuerit minus 6 [illegible] ad 18 (20) gradibus vel plus 6 [illegible] ad 3 gradibus post et [illegible] a cauda et si [illegible] latitudo [illegible] fuerit 17 gradibus vel minus 6 [illegible] ad 17 gradibus ad [illegible] post. Et si [illegible] latitudo lune ab altero [illegible] fuerit [illegible] 17 gradibus post [illegible] eclipsis lune

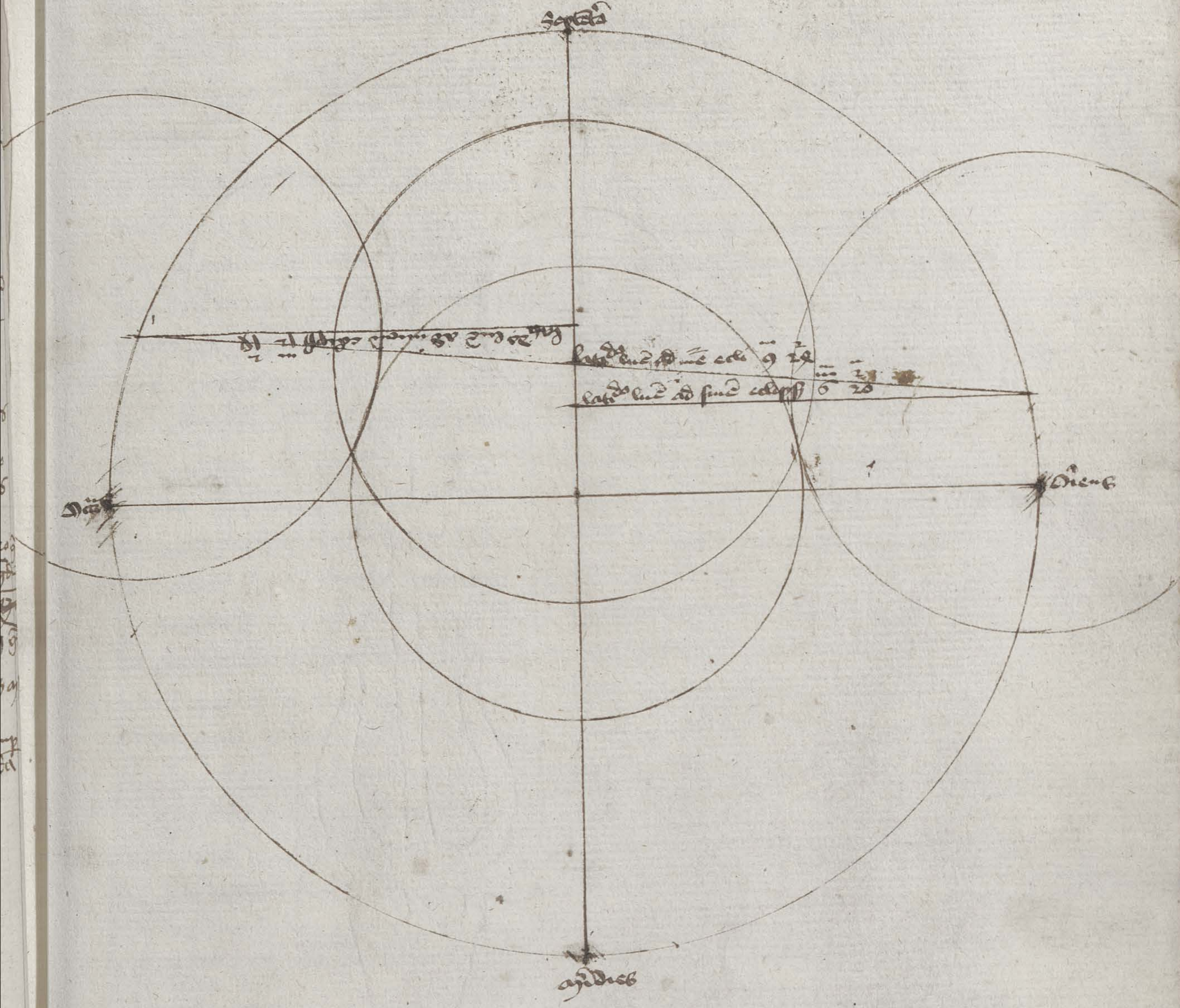
Colores eclipsis

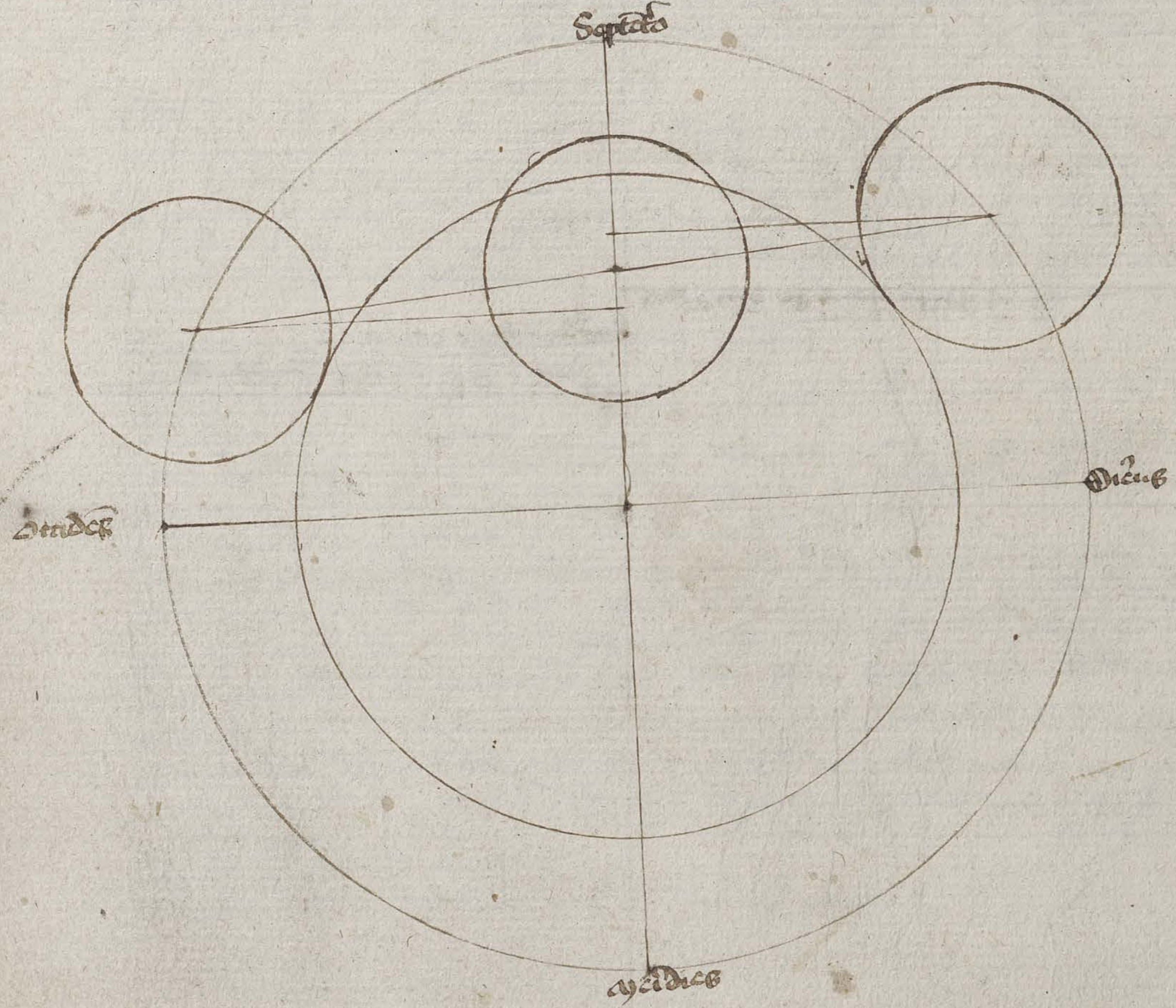
Latitudo lune ab [illegible] 10 minutorum eclipsis / 20 minuta [illegible] / 30 minuta cum rubedine 40 minuta cum palliditate / 70 [illegible] colores. Et si latitudo 110 [illegible] cum albedine. Item [illegible] luna fuerit [illegible] plus 6 [illegible] et minutorum [illegible] 8 minuta cum rubedine [illegible] 9 minuta cum palliditate [illegible] plus 12 vel 10 [illegible] plus [illegible] 11 [illegible] cum albedine.

[illegible] 4 [illegible]
[illegible]
[illegible] distantes
[illegible]
[illegible] 30 [illegible]
[illegible]
[illegible]
poli [illegible]
Climatis primi latitudo [illegible] 440 [illegible] 13 [illegible] 17 [illegible] poli 20 gradus
Climatis secundi latitudo [illegible] 440 [illegible] 17 [illegible] 41 [illegible] poli 24 gradus
Climatis tertii 37 latitudo [illegible] 380 [illegible] 14 [illegible] 17 [illegible] poli 30 gradus
Climatis quarti [illegible] 300 [illegible] 14 [illegible] 47 [illegible] poli 32 gradus
Climatis quinti latitudo [illegible] 270 [illegible] 17 [illegible] 14 [illegible] poli 41 gradus et 43 [illegible]
Climatis sexti latitudo [illegible] 200 [illegible] 14 [illegible] 43 [illegible] poli 47 gradus
Climatis septimi latitudo [illegible] 187 [illegible] 16 [illegible] 13 [illegible] poli 48 gradus et semper [illegible]
[illegible] et climatis [illegible]
latitudo [illegible]
longitudo climatis [illegible] distantia [illegible]

[illegible] eclipsis solis [illegible] [illegible] [illegible] [illegible] [illegible] 3 die [illegible] [illegible] [illegible]
[illegible] meridiei

principium	[illegible]	[illegible]	[illegible]
medium eclipsis [illegible]	22	[illegible]	[illegible]
finis	23	3	19

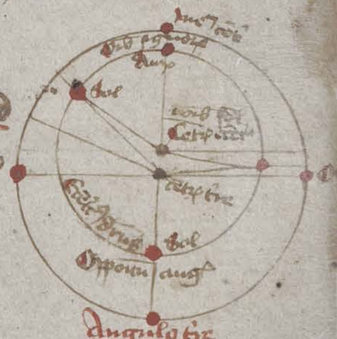


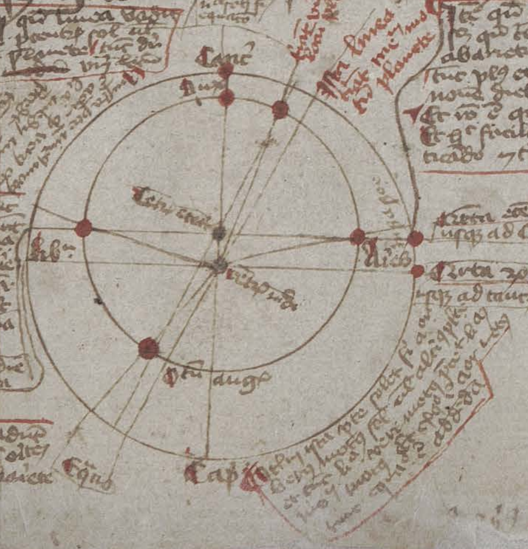

Septentrio
Occidens
Oriens
Meridies

83

Circulus eccentricus vel egressae cuspidis vel egredientis centri dicitur qui non habet centrum suum cum centro mundi. Punctus vero circumferentie qui maxime remotus a centro mundi dicitur aux vel longitudo longior. Sed punctus qui maxime accedit ad ipsum dicitur oppositum augis vel longitudo propior. Linea [illegible] que sit inter augem et oppositum augis dicitur linea medie [illegible]. Movetur autem sol motu suo ab occidente in orientem in suo circulo eccentrico 59 minutis et 8 secundis equaliter semper. Circulus vero ab occidente in orientem cum [illegible] die naturali. [illegible] Medius motus solis dicitur arcus zodiaci cadens inter lineam exeuntem a centro mundi [illegible] et lineam exeuntem a centro [illegible] per centrum corporis solis. Verus motus solis dicitur arcus zodiaci [illegible] inter [illegible] et lineam exeuntem a centro terre per centrum corporis solis. Equatio solis dicitur arcus zodiaci [illegible] inter medium motum solis et verum [illegible] equatio [illegible] sole existente in auge vel in opposito augis [illegible] maxima est. Argumentum solis dicitur arcus zodiaci cadens inter augem et lineam [illegible] medium motum solis. [illegible] sol in [illegible] dicitur arcus zodiaci cadens inter [illegible] a centro terre ad lineam que transit per augem [illegible]. [illegible] medietate maior [illegible] medius motus [illegible] verus [illegible] equatio [illegible] alia [illegible] motu [illegible] medium motum solis est [illegible] arcus zodiaci 30 [illegible] et [illegible] eius distantiam [illegible] ad totum circulum.

Epiciclus sive orbis revolutionis vel circuli brevis [illegible] in signis septentrionalibus [illegible] super [illegible] centri ab occidente in orientem. Eccentricus solis minimo est [illegible] motu octave spere. Eccentricus autem [illegible] die naturali ab occidente in orientem [illegible] et centrum [illegible] describit [illegible] ab occidente in orientem [illegible]. Epiciclus [illegible] gradibus et 10 minutis et 34 secundis ab occidente in orientem [illegible].

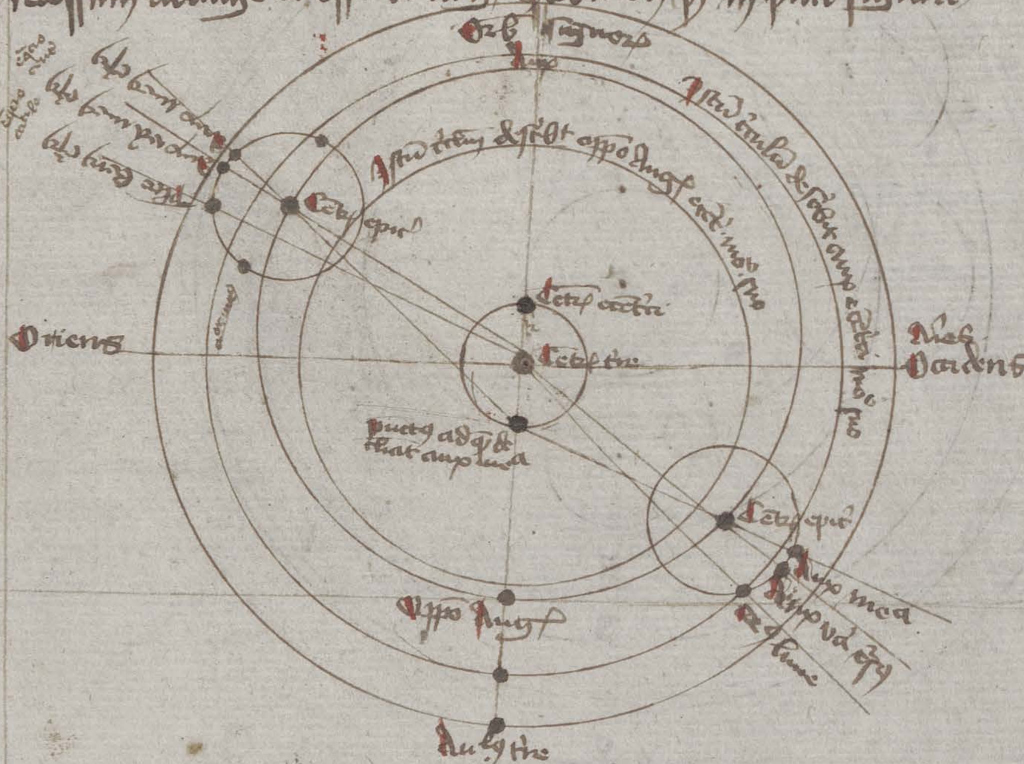




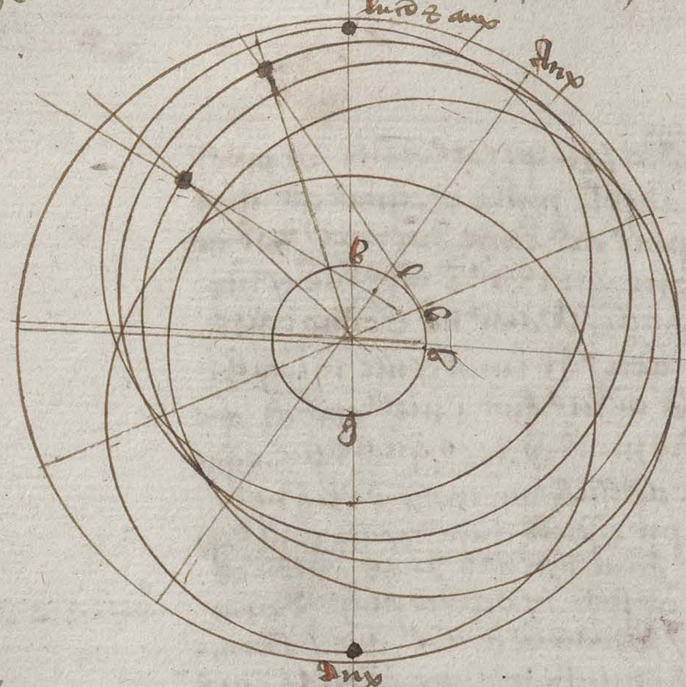
Et ita quomodo alii planete sicut luna movetur motu suo ... epiciclorum qua sunt in superiori parte epicicli et luna ... motu quo movetur ... in suo epiciclo ... quia luna ... [illegible]

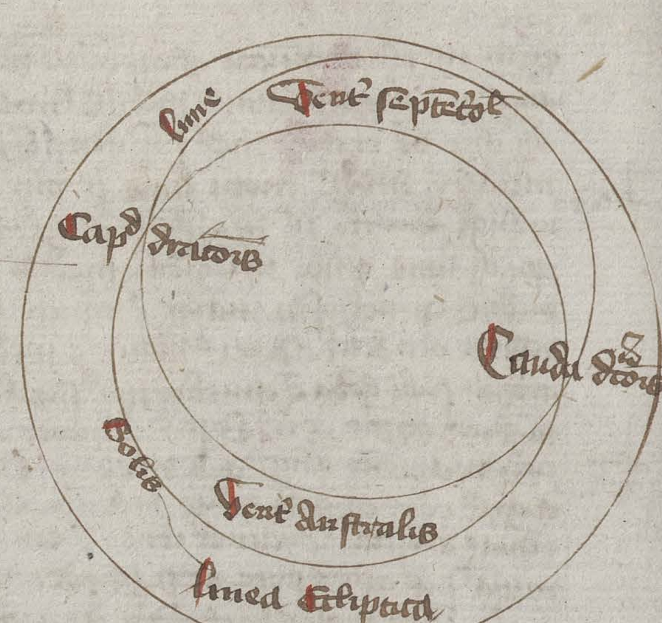
epicicli lune movetur 13 gradibus 10 minutis 35 [illegible] in die ab oc-
cidente in orientem. Et aux ecentrici movetur 11 gradibus ab oriente
in occidentem. Et centrum solis movetur fere uno gradu in die una. Similiter [illegible]
Unde patet quod si centrum solis et aux ecentrici lune et centrum epicicli
fuerint in aliqua hora in aliquo loco celi simul coniuncta in septima die
distabit sol ab eodem loco in quo fuerit coniuncta per gradum unum ver-
sus orientem. Et aux ecentrici lune per 11 gradus versus occidentem. Et centrum
epicicli lune per 13 gradus versus orientem. Et quia tunc sol erit in medio in-
ter augem et centrum epicicli. Quare si duplex distancia solis a centro
epicicli lune erit distancia inter augem ecentrici lune et centrum lune et
hec distancia dicitur centrum lune medium vel duplex mediatum sive longitudo duplex.
Ex hoc manifestum est quod ista tria puncta aut sunt in eodem loco aut sol
vere est in medio duorum aut in opposito. Patet eciam quod centrum epicicli
lune bis in mense percurrit ecentricum lune et in coniunctione cum sole et
in prima centrum epicicli est in auge ecentrici vel in opposito augis. Et in qua-
dratura non est centrum in longitudine propiori. Luna non movetur uniformiter in
epiciclo et tamen est in superiori parte sui epicicli movetur ab oriente in occidentem
quare tunc est tarda in motu suo sive motu et in inferiori econtra quare tunc est
velox. Et alii planete faciunt econtra. Sic autem sol movetur equaliter
super centrum ecentrici sui sic et centrum epicicli lune equaliter movetur
super centrum mundi ut patet in figura de luna. Medius motus lune est
arcus zodiaci [illegible] secundum successionem signorum [illegible]
et [illegible] linea exeunte a centro terre per centrum epicicli lune ad zodiacum.
Verus motus lune est [illegible] linea exeunte a centro [illegible] per centrum corporis lune.
Aux media in epiciclo dicitur punctus quem tangit linea exiens a quodam puncto op-
posito centro ecentrici lune quantum distat a centro terre vel mundi equaliter
centro ecentrici ab eodem [illegible] dicta per centrum epicicli ad superiorem partem epicicli.
Aux vera dicitur punctus epicicli quem tangit linea exiens a centro [illegible]
per centrum epicicli ad superiorem partem ipsius. Equacio centri est arcus [illegible] epi-
cicli interiacens augem veram et mediam. Medium argumentum lune dicitur arcus epi-
cicli interiacens augem mediam et centrum corporis lune [illegible]
secundum motum lune in epiciclo. Argumentum verum dicitur arcus epicicli interiacens
augem veram et centrum corporis lune. Centrum vero epicicli [illegible] in auge

ecentrici ut est in coniunctione et oppositione media. / Et ipso centro epicicli in opposito
augis, quod est in quadraturis mediis lune ad solem, nulla est equatio centri quoniam
ibi aux vera et aux media sunt idem. / Equatio argumenti lune dicitur arcus zodiaci
intercepta medii motus lune et veri, que equatio maior est centro lune existente
in auge ecentrici ut in opposito augis epicicli. / Maior vero est equatio centri
epicicli lune existente in longitudinibus mediis ecentrici. / Et luna existente in longitudinibus
mediis epicicli sua maior est equatio. / Et cum luna fuerit in medietate epicicli que
respicit occidentem, maior est medius motus quam verus, quare tunc equatio
argumenti subtrahenda est a medio motu ad equandum verum motum; in reliqua vero
medietate addenda. / Et sciendum quod minores sunt equationes argumenti centro existente in op-
posito augis quam in auge. / Et differentia inter has duas equationes
argumenti centro epicicli existente in auge et existente in opposito augis dicitur
equatio diversitatis dyametri circuli brevis. / Equationes argumenti que scribuntur
in tabula sunt equationes composite ac si semper esset centrum epicicli in auge ecentrici. / Centro
epicicli existente in aliis locis ecentrici fiunt equationes argumenti secundum quod centrum epicicli
accedit ad centrum terre. / Et ipsa arcus equationum sumuntur per proportionalia diu-
60 particule linee duple continentes in centro terre et centro ecentrici divisi
in 60 partes. / Linea vero que ducitur a centro terre ad oppositum augis nulla habet
de istis partibus, et non habet omnes istas partes linea que ducitur ad augem. Et omnes
alie vero linee que ducuntur ad alia loca habent de istis partibus secundum accessum et
recessum ab auge et opposito augis, quemadmodum patet in presenti figura.

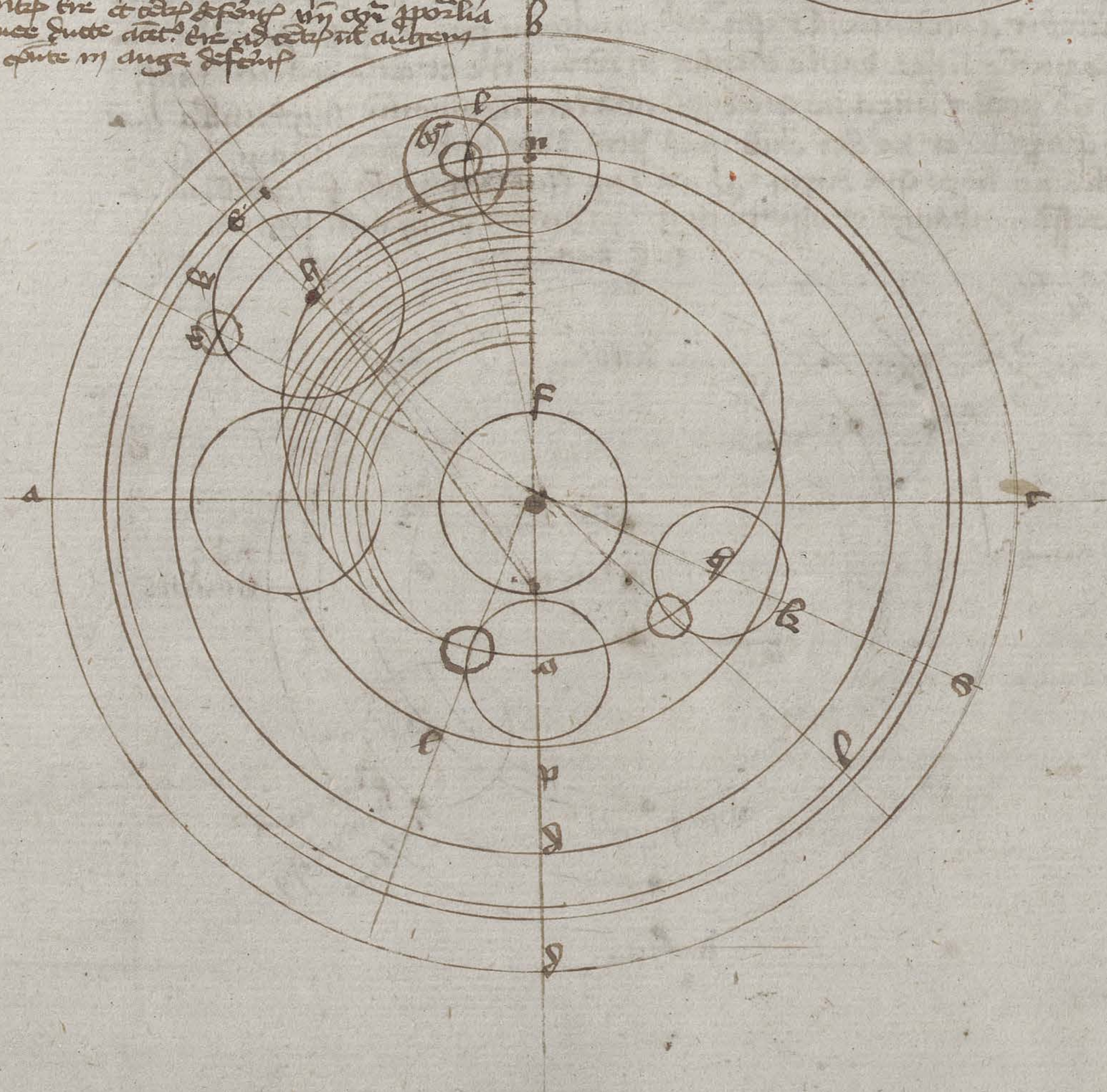


No[ta] p[er] hanc figuram p[otes]t videri differe[n]tia mo[tuum] ... epicicli supra ... et sic p[otes]t videri p[er] hanc figuram vniformitas mot[us] ... epicicli sup[er] centr[um] ... et centr[um] ... ut ...





Nota q[uod] p[ro]portio dim[idii] ... linee duple ad lineam ... centrum ... et ... in q[ua] p[ro]portio ... p[er] ... linee ducte ... ad ... augem ... q[uod] ... in auge ...

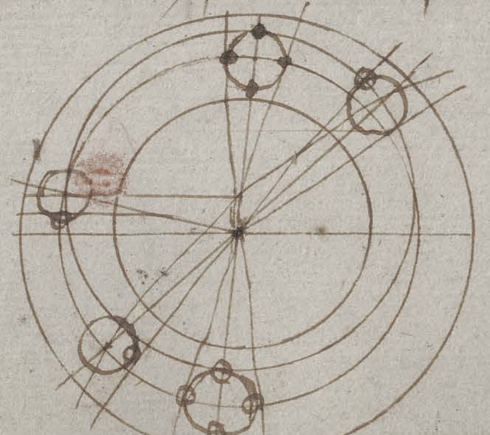


Sequitur de capite draconis et cauda. Circulus lune declinat a via solis in duabus partibus scilicet in septentrione vel aquilone et in meridie vel austro. Et intersecat circulum solis in duobus locis oppositis semper. Et iste intersectiones dicuntur caput et cauda draconis. Et dicitur caput intersectio in qua incipit declinare luna ad aquilonem et cauda econverso. Iste intersectiones moventur cotidie ab oriente in occidentem tribus minutis fere et 11 secundis. Et ducit istas intersectiones circulus concentricus mundo equalis circulo lune in magnitudine et est in superficie orbis signorum sive in via solis. Et iste motus est dissimilis motui planetarum cum sit ab oriente in occidentem. Et nulla est latitudo in motibus dictis caput [illegible] tamen ut in medio motu continuato quantum in vero eius cadit infirmatio. Et propter hoc sub isto medio cursu capitis a 12 signis remanet verus locus capitis draconis computatus secundum successionem signorum sicut patet in suo scripto scriptura.

Ca 7 et

Sequitur de terminis superioribus. Unde notandum est quod quilibet planetarum trium superiorum habet duos circulos excentricos dispositos sub eadem superficie et immobiles inter se [illegible] equantem ad motum orientale et ad motum cotidianum circa terram ab oriente in occidentem. Et unus circulus dicitur deferens super cuius circumferentia defertur centrum epicicli ab oriente in occidentem. Et alius dicitur circulus equans motum super cuius centro movetur equaliter motus centri epicicli. Et in equalibus temporibus equales angulos describit. Et hii duo circuli in una parte celi equaliter elevantur. Et iste circulus cuius centrum est propinquius centro terre est deferens circulus. Et reliquus est equans. Et tantum distat centrum deferentis a centro terre quantum centrum equantis a centro deferentis quod medium est in medio. Et ista tria centra sunt in una et eadem linea et ambo circuli sunt unius quantitatis. Et si fuerit in linea diametri epicicli respiciat centrum terre vel centrum epicicli fuerit in auge vel in opposito augis deferentis. Et propter centrum epicicli fuerit in aliis locis excentrici declinat ad centrum punctum appositum centro circuli quantum distat a centro mundi centrum cuiusque circuli. Similiter in istis terminis planetarum superiorum diameter epicicli que respiciat centrum mundi centro epicicli existente in auge vel in opposito augis circuli. In aliis locis circuli centro epicicli existente respiciat centrum equantis et hec sunt omnia reflectiones. Et luna in superiori parte epicicli movetur ab oriente in occidentem et in inferiori econverso. Et iste planete moventur in superiori parte epicicli ab occidente in oriente et in inferiori econverso. Et propter quando aliquis astrorum est coniunctus soli [illegible] vel motu equali. Et in superiori parte epicicli

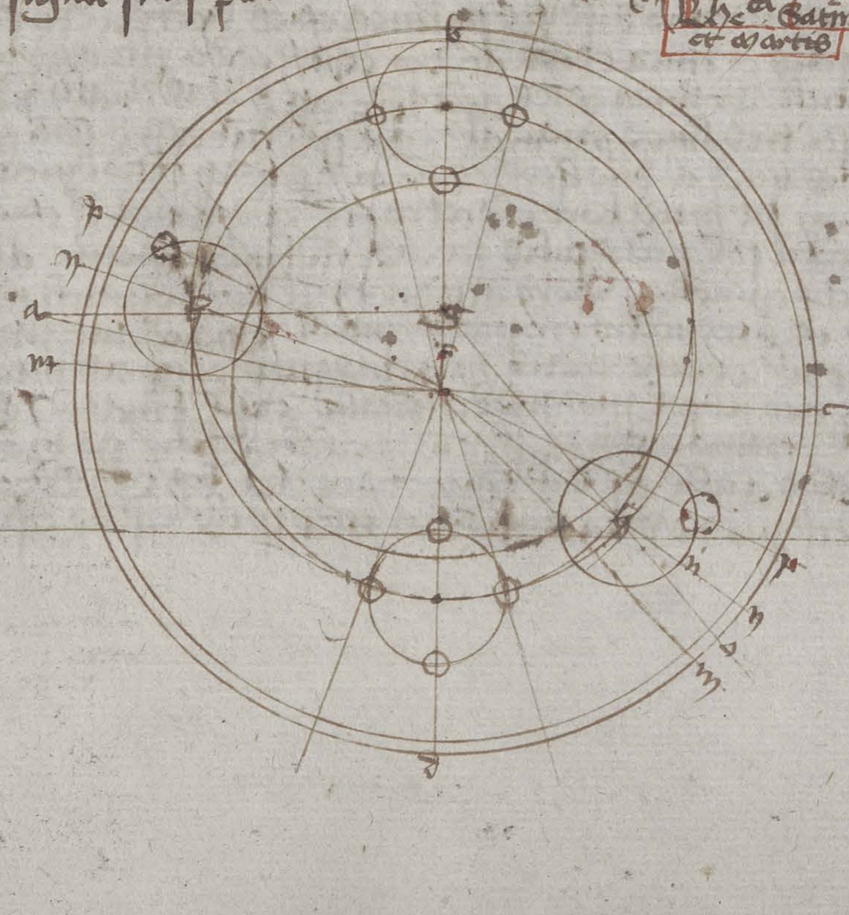
sint scilicet in auge media. In qualibet vero dispone medium motus
tamen sole est in infima parte epicicli sint vel in auge equidem
idem est. Et in quadraturis cum sole est in longitudinibus medijs epicicli
equantis in tanto tempore planeta currit epiciclum in quanto tempore sol reddit
ad punctum quem tum. Aux media epicicli dicitur punctus in superiori parte epicicli
quem terminat corporis linea a centro equantis per centrum epicicli et hec aux non
variatur. Aux vera epicicli dicitur punctus quem terminat linea exiens a cen-
tro terre per centrum epicicli et ista aux facit variari secundum quod crescit et de-
crescit. Equatio centri in epiciclo est arcus epicicli cadens inter augem veram
et mediam. Equatio centri in zodiaco est arcus zodiaci cadens inter medium
motum epicicli et verum motum ipsius. Et in qua proportione se habet una
equatio ad suum terminum in eadem proportione et reliqua ad suum quod patet
planetarum planum que cadit inter lineas earum distantes. Et propter hoc accep-
ta una equatione in tabula accipitur et reliqua. Medius motus in libris
istorum planetarum et epiciclorum motus sunt zodiaci et arcus zodiaci cadens inter
arietem et lineam exeuntem a centro terre equidistante linee a centro equantis per
centrum epicicli. Verus autem motus epicicli est arcus orbis signorum zodiaci qui
cadens inter arietem et lineam exeuntem a centro terre per centrum epicicli. Verum
locum planete terminat linea exiens a centro terre per centrum planete. Aux vera pla-
netarum in secunda significatione dicitur sicut in sole. Argumentum arcus zodiaci maior ab
ariete et transiens a linea ducta in quodam puncto supposito augibus
eccentricorum. Centrum vero medium planete dicitur arcus zodiaci cadens inter au-
gem centri et medium motum et in sole dicitur argumentum sol et in luna
centrum medium dicitur vel longitudo duplex vel [illegible] intersticium. Centrum
autem verum est arcus zodiaci cadens inter augem centri et verum locum epicicli.
Argumentum autem medium dicitur arcus epicicli cadens inter augem mediam et centrum
corporis planete in circumferentia considerando. Argumentum verum dicitur arcus epicicli
cadens inter augem veram epicicli et centrum corporis planete. In luna autem [ab auge ad centrum augis]
medium centri subtractum equatione centri in epiciclo [illegible] medio et addatur
centro medio et [illegible] centrum verum et [illegible] In reliqua medium
sic equatur. Et [illegible] patet infra. Et quando centrum epicicli fuit in auge
vel in opposito augis ille sunt [illegible]. Equatio argumenti
planete dicitur arcus zodiaci cadens vel equans inter verum locum planete [illegible]
cum epiciclo maior est quod quanto plus accedit centrum epicicli ad centrum
terre arcus planete uno et eodem [illegible] tanto plus crescit equatio



+ [illegible] 30° a centro medio
2 additur equatio centri ✝

argumenti. Item nota maiores sunt equationes argumenti centro epicicli existente
in longitudine propiori centri quam ipso existente in longitudinibus mediis centri. Et
maiores in longitudinibus mediis quam in auge. Item equationes autem argumenti
scripte in tabulis sunt equationes argumenti si sic fuerit centrum epicicli in
longitudinibus mediis ecentrici. Non quod centrum epicicli vadit per eccentricum sed
super centrum ecentrici equantis centri. Et dicitur centrum epicicli esse in longitudinibus
mediis ecentrici quando secundum augem epicicli quando diameter epicicli stat perpendiculariter
super diametrum mundi transeuntem per centrum ecentrici. Item differentia equationum
que sunt inter equationes in longitudine media et inter equationes que sunt
in auge dicuntur diversitates diametri circuli brevis ad longitudinem longiorem est.
Et differentia que est inter equationes in loco medio et equationes que sunt
in opposito augis dicuntur diversitates diametri circuli brevis ad longitudinem
propiorem. Et ille diversitates scribuntur in tabulis. Item Excessus autem
linee protracte a centro terre ad augem equantis super lineam protractam ab eo-
dem centro ad longitudinem mediam ecentrici dicitur minuta proportionalia ad longitudinem
longiorem. Item Excessus iste divisus in 60 partes equales. Item Excessus
autem linee protracte ad longitudinem equantis mediam ad lineam protractam
ad longitudinem propiorem dicitur minuta proportionalia ad longitudinem propiorem. Et vocan-
tur diversitates diametri ad longitudinem longiorem ... ut patet
ad longitudinem propiorem addatur equationi argumenti similiter probat animadvertenti
Item quanto plus centrum ut dictum est centrum epicicli appropinquat plus centro
centro terre tanto plus maiorem equationem argumenti ut patet totum
in figura superscripta

Theorica Saturni Iovis et Martis



Sequitur de venere et mercurio. Mercurius habet duos circulos
deferentes eiusdem quantitatis atque in eadem superficie plane dispositos sed centris
differentes. Et centrum est [illegible] centro terre. Unde in duplo
plus distat centrum deferentis a centro equantis quam distat centrum equantis
a centro terre. Quinimmo circulus parvulus [illegible] per [illegible] duo
centra circulorum. Et super circumferentiam illius parvuli circuli movetur cotidie
centrum deferentis ab oriente in occidentem tantum quantum sol pertransit cotidie proprio motu
contra firmamentum. Et dicitur auge [illegible] quanto spacio temporis sol
pertransit firmamentum in tanto et tempore aux centri. Et quemadmodum [illegible]
centri pertransit circulum. Et etiam centrum ecentrici [illegible] circumferentiam
Unde contingit accidere quod centrum deferentis et centrum equantis sint in eodem
loco quare tunc centra ambo erunt unus centrus et sic fit quam in
illo instanti quam minor erit deferens [illegible] quam [illegible]. Movetur
autem deferens in temporibus equalibus equales angulos describit super
centrum equantis. Sed centrum eius impossibile est nisi quod ad motum de-
[illegible] esse. Epiciclus autem mercurii movetur per circumferentiam centri ab
occidente in orientem eque cito ut centrum solis contra firmamentum. Mercurius
[illegible] quod [illegible] centrum epicicli linee [illegible] circumferentiam sui centri
in [illegible] pertransit ita centrum epicicli mercurii [illegible] pertransit circulum
[illegible] in anno [illegible] motu ipso [illegible] motu augis. Et se-
[illegible] epiciclus mercurii [illegible] et aliorum duorum [illegible] motus
medius et verus. Medius motus stat per lineam exeuntem a centro
terre eque distantem linee exeunti a centro equantis per centrum epicicli. Et
ille medius motus est idem cum medio motu solis. Et [illegible]
linee sunt eque distantes per lineam exeuntem a centro [illegible] sol
per centrum solis et lineam exeuntem a centro equantis centri mercurii per centrum
sui epicicli et lineam exeuntem a centro terre [illegible] distans [illegible]
Et contingit tres lineas [illegible] eque distantes
cum omnes [illegible] et non [illegible] per centrum epicicli
sui mercurii sit in eodem loco cum centro solis et [illegible] linea que exeunt
a centro [illegible] sol per centrum solis [illegible] cum linea exeunte a centro
equantis per centrum epicicli. Verus autem motus vel locus epicicli stat
per lineam exeuntem a centro terre per centrum epicicli. Mercurius autem ut dictum
[illegible] centrum epicicli et aux centri in contrarias partes eque cito [illegible]
et eque cito ut sol motu medio motu contra firmamentum. Centrum
vero epicicli et aux centri et [illegible] centri deferentis [illegible] in equalibus
temporibus equales angulos describunt super centrum [illegible] et [illegible] de-
ferentis [illegible] motu [illegible] circumferentiam [illegible] in temporibus equalibus equales

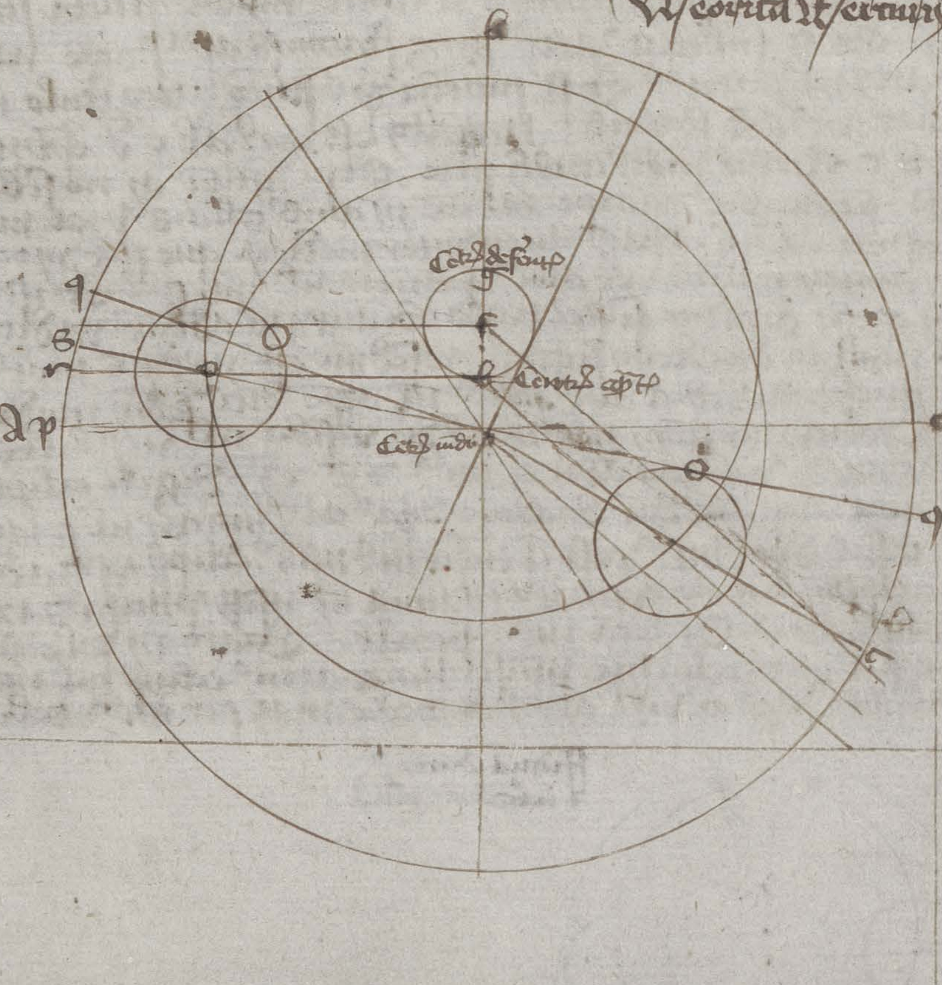
(i primo circulo qui regulas arcuum distribuit)

arcum describat vocatur. Cum autem pertransibit centrum partem predicti circuli
necesse est centrum per sui centri epicicli eciam dicitur respondere semper
ecentrici deferentis ideo quod equalibus puncto centri. Si vero cum linee que
[illegible] accedit ad partes deferentis que sunt auge deferentis [illegible]
[illegible] centri complexionis [illegible] lineis [illegible] [illegible]
[illegible] motus centri deferentis et [illegible] partes [illegible] [illegible]
augis deferentis [illegible] [illegible] illud centrum et [illegible] i [illegible]
[illegible] accedere ad augem deferentis [illegible] augis [illegible] augis et [illegible]
[illegible] augis centri [illegible] et [illegible] aux deferentis ideo quod [illegible]
[illegible] predicti [illegible] deferentis [illegible] modo est aux et
[illegible] in [illegible] puncto [illegible] i [illegible] eius et [illegible] contingit
[illegible] aux centri deferentis [illegible] [illegible] secundo
aux deferentis recedit ab auge centri [illegible] et alia [illegible]
[illegible] Contingit recedere augem centri [illegible] [illegible]
[illegible] centri deferentis que est post augem centri [illegible] successione
signorum accedit ad augem centri et alia [illegible] [illegible]
recedere augem deferentis ab auge centri [illegible] Notandum
[illegible] centrum epicicli [illegible] auge deferentis i [illegible]
aux deferentis [illegible] in auge [illegible] centri [illegible] centrum [illegible] centri
et centrum deferentis et auge [illegible] Et oppositum augis et centrum
epicicli [illegible] [illegible] [illegible] centrum epicicli [illegible]
oppositum augis deferentis [illegible] [illegible] diametro et [illegible]
[illegible] [illegible] [illegible] centrum epicicli
[illegible] deferente [illegible] in auge [illegible]
oppositum augis [illegible] centrum epicicli in una medietate [illegible]
[illegible] centri deferentis in alia medietate [illegible] circuli [illegible]
opposita alteri medietate equantis que [illegible] aux deferentis
Et quando centrum epicicli est in [illegible] auge centri [illegible] in [illegible]
deferentis [illegible] maxime [illegible] Et [illegible] in
puncto maxime [illegible] [illegible] in puncto [illegible]
[illegible] quando est in opposito augis [illegible]
[illegible] aux [illegible] deferentis [illegible] Et [illegible]
centrum epicicli in opposito augis centri [illegible] duo [illegible] loca [illegible] maxime
accedit centrum epicicli centro terre Et in aliis locis [illegible]
[illegible] illa [illegible] duo loca [illegible] puncta [illegible] oppositum augis centri [illegible]
lineas [illegible] [illegible] ~~[illegible]~~ motus centri deferentis et [illegible]
[illegible] Cum vero centrum epicicli [illegible] auge [illegible] [illegible]
[illegible] [illegible] deferente [illegible] Et [illegible] centri deferentis
[illegible] [illegible] in suo [illegible] Et [illegible]

centrum epicicli est in capite linee contingentis quod caput est oppositum
augis equantis tunc centrum deferentis est in puncto contactus
sui circuli cum ipsa linea. Et tunc centrum alius deferentis
in maxima remotione ab auge equantis et tunc est centrum epicicli
in opposito augis deferentis quare tunc est in maxima appropinquatione
ad terram quia tunc centrum eius deferentis descendit plus quam pro
centro. Et plus remotum est ab auge deferentis a centro terre
quam fuit propter appropinquationem figure in intelligentia motuum. Et quando
erit centrum epicicli in illo arcu deferentis qui est inter duo
puncta opposita sub capitibus linearum contingentium que capita
sunt propinqua opposito augis equantis centrum epicicli semper est
in opposito augis deferentis et sequitur quod quamvis centrum
epicicli in una parte deferentis tamen erit centrum deferentis in alia
parte. Si erit in eadem linea recta transeunte per centrum terre et
deferentis. Et tunc multum tamen appropinquat centrum epicicli centro terre
quanto appropinquat capitibus linearum contingentium. Medie igitur
motus mercurii et veneris et medium centrum et sic et
medium argumentum et sic equatio centri in 3° et [illegible] et
ampliatio media et sic et equatio argumenti et omnia ista sunt describenda
in venere et mercurio sicut in aliis superioribus. Equationes argumenti
crescunt sicut in aliis superioribus centro epicicli appropinquante terre
equationes [illegible] sunt in tabula sunt equationes argumenti sicut semper
sit centrum epicicli in minima longitudine a centro deferente. Similiter
si centrum epicicli est in auge statim [illegible] et sic [illegible]. Et in
tabula illa que est ante [illegible] minuta [illegible]. Unde sciendum
quod minuta [illegible] equationes argumenti que ibi continentur sunt continue
scripte in tabula. Similiter contingit in aliis [illegible] centro epicicli
[illegible] in aliis locis deferentis. Et sumuntur tunc equationes argumenti
[illegible] proportio. Unde tunc continet quod ista sunt propria in [illegible]
[illegible] proportio ad longitudinem longiorem. Et est linea
exeuntis a centro terre ad centrum epicicli [illegible] a auge de-
ferentis ad [illegible] [illegible] ad [illegible] [illegible] [illegible] duo [illegible]
[illegible] Et [illegible] proportio ad longitudinem propiorem sunt [illegible]
[illegible] linee exeuntis a centro terre ad [illegible] et [illegible] lineis contingentibus
[illegible] maxima appropinquatio centri epicicli centro terre. Et [illegible] ab
eodem loco usque ad oppositum augis equantis [illegible] quedam
linea [illegible] qua [illegible] minuta proportionalia [illegible]

dyameter celi binis [?] utrumque [?] quod ecentrici vel ecentrici de-
ferentis sunt in 3bus superioribus. Venus quoque habet deferentem et equantem
dispositos sicut 3bus superioribus, et in eodem loco elevatur [?] me-
diocriter [?] sol et centrum epicicli sui ita cito movetur sicut sol. Quare
medius motus solis est medius motus epicicli eius semper. Mercu-
rius [?] et de perspicuo quod linee exeuntes a centro terre ad dista-
tes vel distantes due linee quarum una exit a centro et vadit ad cen-
trum solis per centrum solis et alia exit a centro per centrum
epicicli deferentis [?] et cum anomalie. Sunt insuper [illegible]
ad motum [illegible] quod deferens movetur in latitudine in me-
ridie et ad arcton vel ad aquilonem ita quod alter deferens et
equans sunt in eadem superficie scilicet ecliptica. Deinde subcadit li-
nea [illegible] in ambobus centris movetur [illegible] polum
et declinat deferens scilicet ab ecliptica. Et de hiis motu diversis
de latitudine. Et omnia alia de Venere similia sunt 3bus su-
perioribus et hec de Venere in minus complectio ad presens sufficiunt

Theorica Mercurii



Directio et retrogradatio planetarum. Planeta dicitur directus quando
motus centri eius in utraque motu epicicli contra firmamentum secundum
successionem signorum. Retrogradus dicitur e contra quando motus eius non innuatur
motui epicicli contra firmamentum. Statio prima dicitur punctus epicicli in quo
incipit planeta retrogradari. Statio secunda dicitur punctus epicicli in quo
planeta incipit dirigi. Luna vero non dicitur quod illa non attingit
retrogradationem et stationem quia motus centri epicicli superat motum
epicicli eius. Dirigitur in superiori parte sui epicicli tarda
in cursu suo inferiori vero velox. Statio prima et 2a statio dicitur
arcus epicicli cadens inter augem veram epicicli et punctum stationis prime in
parte. Statio vero secunda dicitur in forma 2a dicitur arcus epicicli ca-
dens inter augem veram epicicli et punctum stationis 2e. Prima hoc
arcus dico sumptus secunda stationem et fit et iste arcus invenitur
secundum quod centrum epicicli accedit ad centrum terre. Arcus retrogradationis est
arcus epicicli cadens inter primam stationem et secundam. Arcus dico continuatus
per oppositum augis epicicli. Et primo modo sic exponendo seclusa di-
rectionem. Et iste arcus sic superius invenitur et quod centrum epicicli accedit
ad centrum terre ubi sunt stationum. Et quare mutatur puncta sta-
tionum. Et si subtrahatur arcus prime stationis a 2a statione rema-
net arcus retrogradationis. Et si subtrahatur prima statio a toto circulo re-
manet arcus secunde stationis. Verbi gratia est arcus ab c d centrus
et a b c medius motus augis planete. Accipe perimetrum quod non sequitur
in tabula. Sic accipitur. Accipe radicem in annis collectis per quam me-
dium centrum in annis expansis duorum inter mediorum que sunt inter
primum et annorum collectorum et annum quod queris vel diebus suis. Et isto
centrum computatur et radice si fieri possit. Si autem non addatur radici
una revolutio duodecim signorum residuum est medius motus
planete quesitus. Media autem coniunctio vel oppositio dicitur secundum medios
motus. Vera autem secundum veros motus dicitur visibilis vel invisibiles.
Et hoc attenditur in signis gradu et minuta et 2a et 3a. Digiti eclipse
vel puncta eclipsica dicuntur duodecime diametri corporis luminaris vel planetarum.
Minuta casus dicuntur minuta celi que transit luna a principio eclipsis usque ad me-
dium eclipsim. Cum non obscuratur tota luna vel usque principium tota-
lis obscurationis. Si tota luna obscuratur. Etiam in sole minuta
casus sunt minuta celi que pertransit luna a principio eclipsis solis usque
ad eclipsim mediam. Et minuta medie mora sunt minuta celi

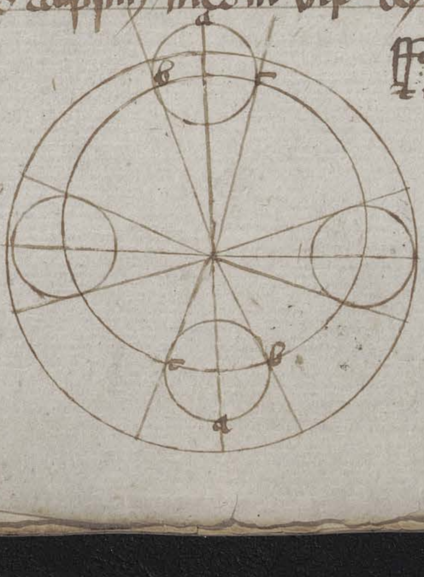


Figura directionis
et retrogradationis planetarum

que ptinsit apud obstructoris usque ad medium eclipsim Et
si ista tempora didant [illegible] motu lune etc in vna hora Et vero
tempus in quo tpe ptinsit ea puncta [illegible] vel puncta residua
[illegible] ut dur ptes residuum dicat eclipsi que sint ab angue usque ad
motu duorum lune [illegible] qui sunt in [illegible] lineis [illegible] eclip-
sim sint circa latitudinem [illegible] se ecliptica [illegible] lati[tudi]nes ecliptice
sunt maiores ad [illegible] temporum [illegible] minores ad [illegible] [illegible]
medioc[r]es [illegible] maiores et minores solis et lune maiores [illegible]
sunt [illegible] maiores [illegible] minores [illegible] mediocres medioc[r]es
tardi [illegible] plete que sunt [illegible] [illegible] velocior[e]s
[illegible] [illegible] quod sunt [illegible] [illegible] [illegible] equis addi[illegible]
medium motum [illegible] [illegible] [illegible] lune dum [illegible] [illegible]
a sole vel sol ab eis [illegible] [illegible] [illegible] ad solem [illegible]
sol ad eos [illegible] [illegible] et [illegible] [illegible] et [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] sicut a sole [illegible] est
[illegible] Et ab [illegible] [illegible] est [illegible] et a medio die [illegible] est
[illegible] [illegible] [illegible] et [illegible] [illegible] quia in medio mundi
et [illegible] [illegible] [illegible] lati[tudi]ne [illegible]

Altitudo plete dicitur distantia [illegible] ab [illegible] solis declinatio
plete dicitur distantia eius ab [illegible] linea patet [illegible] quod sol non
habet lati[tudi]nem [illegible] [illegible] declinatio [illegible] declinationem accipies in sole
[illegible] [illegible] sol ab [illegible] [illegible] [illegible] facit [illegible] sol [illegible]
[illegible] [illegible] [illegible] lati[tudi]ne [illegible] lune accipies [illegible] distantiam centri
[illegible] lune ab [illegible] [illegible] [illegible] facit [illegible] lune [illegible] solis
[illegible] [illegible] et accipies declinationem [illegible] [illegible] signorum [illegible] est
[illegible] et [illegible] [illegible] [illegible] lati[tudi]ne lune ab orbe signorum [illegible]
[illegible] solis si fuerit ambo [illegible] lati[tudi]ne et declinatione septentrio-
nales et meridionales [illegible] [illegible] et [illegible] [illegible] declinatio
lune [illegible] Et si fuerit [illegible] [illegible] minorem de maiori
[illegible] in aliis planetis [illegible] [illegible] declinatio Et [illegible] [illegible]
lune [illegible] distat a via solis [illegible] [illegible] lune [illegible] in superiori
parte [illegible] [illegible] [illegible] lati[tudi]ne [illegible] [illegible]
plete [illegible] [illegible] lati[tudi]nem vna qua declinat [illegible] ab ecc-
entrico [illegible] est [illegible] qua declinat [illegible] solis Et [illegible] [illegible]
[illegible] latitudo [illegible] [illegible] Et [illegible] [illegible] [illegible]
latitudo [illegible] Et [illegible] [illegible] [illegible] [illegible] qua [illegible] duos
[illegible] [illegible] [illegible] qua [illegible] duos [illegible] [illegible] Et [illegible]
[illegible] [illegible] est ad medietatem [illegible] et [illegible] ad quartam partem [illegible]
[illegible] [illegible] [illegible] est ad [illegible] signa [illegible] [illegible] [illegible] signo [illegible] et [illegible]
quaternarii [illegible] [illegible] [illegible] [illegible] [illegible] vnius signi que [illegible]

8 signis per oppositum Sic tabula binarii duobus signis per oppositum
quia vero tabula binarii est ad circulum vero in tabula in qua binario
et ista tabula quaternarii est ad circulum vero item in qua cum distantia
a nodo caput et latitudo que scribitur in tabula binarii est distantia centri
tunc deferentis epicicli ad circumferentiam circuli dicti computata versus viam
solis que dicitur ecliptica quia in ipsa vel prope contingunt eclipses solis
et lune inclinatur autem epiciclus a circulo itaque ipse est predicta inter
eclipticam et centrum epicicli nisi cum centrum epicicli fuerit in capite
vel cauda draconis Tunc enim epiciclus continetur in circulo Et quia
predicta est in auge epicicli tunc maxime declinat predicta circa viam solis
quare tunc maiorem invenimus latitudinem quam scribitur in tabula binarii In
locis vero mediis mediocriter declinat predicta quare mediocrem invenimus
latitudinem Et latitudo quam invenimus in tabula quaternarii est distantia circumferentie
centri circuli a via solis que distantia est parva et tunc ipse in [illegible]
maxime quando est in locis remotis a nodis predicta signa Et propter hoc in
maxime quando [illegible] latitudo minor in principio et maxima in fine et
bene in tabula quaternarii latitudo minor in principio et in maxima in fine et
in medio mediocris [illegible] quod in [illegible] duabus latitudinibus propter unam sub
subtrahenda est ablata

Verumptamen tabulas ad concisionem magisterii sicut non vo-
lunt ponere minus nisi ponatur latitudinem [illegible] sub
tabulis [illegible] possunt omnes [illegible] in quibus si
dicitur unius [illegible] producit [illegible] si unus minor subtrahet et
ab altero [illegible] compositionem [illegible] et [illegible]
est si [illegible] at si subtrahas duo [illegible] et ideo
dividitur una latitudo [illegible] Cum vero centrum epicicli est in nodis te-
nebit sive latitudinem Tunc enim [illegible] est epiciclus a circulo et centrum epi-
cicli est in via solis epiciclus a circulo et centrum epicicli est in
via solis Et [illegible] in tabula [illegible] poterit
patet quod in tabula mercurii invenimus latitudo [illegible] latitudine [illegible] Et
[illegible] est zodiacum [illegible] ad altum [illegible] latitudo [illegible]
[illegible] Et si [illegible]
vel Et [illegible] dixit [illegible] tabulas latitudinum integras Et si [illegible]
[illegible] in quibus sit subtractio vel additio loco draconis Et dicitur [illegible]
das latitudines et [illegible] prima computanda est latitudo a via solis Et
si prima [illegible] computanda est [illegible] zodiaci versus via solis ut
tanta sit latitudo duorum [illegible] computatorum quanta est altera
[illegible] alias computatorum Caput autem in cauda [illegible]
sunt [illegible] caput enim in cauda veneris et mercurii
[illegible] Et aliter [illegible] latitudinis in [illegible]
[illegible] Et aliter in istis [illegible] Caput enim mercurii et veneris

moueatur tunc proportio qua veri loci capitis utriusque distat ab eis semper tunc equatio et veri loci capitis sunt in canone tabularum distat ab eo que fit tunc computatum in medio motu solis et argumenti istorum ergo adde vel addas alteri illorum equationi medio motui sol vera loca capitum dum computata ab eadem tunc subtractiones signorum scilicet dicitur tham et medium eius capitum dum computati eorum sunt prius aggregata quia medius motus capitis tunc non sicut tunc sig. subtrahas igitur medium motum et tunc signis et remanet veri loci

Compositores tabularum super arin dicuntur fuisse membrotti hermes
ytonominnus ptolomeus albategni albumasar algoi
fumus super arim que est ciuitas in medio abutegz gradus
ab allexandre et hercul. sequitur Explicit enim distat a gadibus allexandrie et hercules in occidente secundum gradus sortes in oriente 90 gradibus et qui volunt mutare tabulas alia gradus et abutegz polo 90 gradibus et qui volunt mutare tabulas alia loca subtrahat aut addat medium cursum stellarum pro tot gradus pro quot tabulas distat loca ab arim subtrahat vel addat dico tunc in tantis collectis extractis plus ante meridiem vel post meridies astro ab horis et hora diei tempore Et qui laborat sit facere ponat gradum solis et tunc horam diei tempore Et qui laborat sit facere ponat gradum solis in linea meridionali et ubi locus alimuri in gradibus tibi et facere in linea meridionali et ubi totum gradus est tabulas equationes ante cum fuerit an vel post et recipiet tot gradus quot tabulas equationes ante meridiem vel post Et meridies ascendens adhibeat contra linea meridie vel post Et tunc esse vides ea parte altioris regionis continente in medio celi Et esse vides ea per alias regiones circas dictas inter regiones per alia loca plane et ne oportet te opponere lati in superiori tibi sol Et hunc in dorso astrolabii et altitudine super eo libri et ponet loco alimuri stellas astrolabii et altitudine supra solis et respicias sole mediante aliquo pano: Non quod auges dicitur moueri per oriente a gradibus in 900 annis et totius usque occidentis in aliis 900 annis Sed dicitur in 900 annis et totius usque occidentis in aliis 900 annis Sed dicitur moueri ab albategni in 60 annis et 10 mensibus vel 24 mensibus sed quibus vnus gradus est usque oriente Alfraganus narrat tabulas in quibus vnus gradus usque 100 annis ... Et non quod dicit quod quadrum fuerit sol in meridie tunc tabula certa sunt dicit maxime conuenit alia in horologio magis eleuatur allidada in dorso astrolabii in meridie quod gradus solis in recepimus super alium in meridie Et non sic fit enim in vlla meridie certa et quoque die erit debet distantia inter eius altitudines in eadem erit sol in auge certe in medietate pro certa Et quanta erit distantia tanta erit certitudinis et est duorum gradus fere Et quanta radius sol tendit super que tunc erit fit gradus solis ponere super unum capitulum inter alium aut in toto erit fallantia horarum Tunc accipe horarum modo considerato in vno

et abutegz polo 90 gra

anno in meridie Et in quo die anni sit sol in auge Et quando quo
quantum sol eleuetur per illud idem et in fixo anno quolibet considerato Igitur
quantum eleuatur polus in eadem hora habebis quanta aux sit mota
in uno anno Et hoc modo dicit albategni in libro suo motum auge
auges planetarum in anno mense et die Et tabulas eidem compo-
posuit et habuit magnum astrolabium cubitorum uel maioris quantitatis

Aspectus planetarum sic potest inueniri intra cum gradu cuiuslibet
in tabulam ascensionum signorum in circulo directo qui in-
cipit ab ariete Et numerus graduum inuentus sub signo gestante
ipsum planetam scribatur Deinde intret cum gradibus equacionis cuiuslibet
alterius planete Et numerus graduum inuentus sub signo gestante ipsum accipiatur
Deinde ipsorum duorum minor sit acceptorum minor a maiore demantur Et si quod
remanserit sexta pars circuli aspiciunt se duo planete sextili aspectu
qui est inter eos sexta pars circuli Et si remansit quarta pars circuli et
aspectus quartus Et si remanserit tertia pars circuli etc Et si remanserint
tot gradus quod complent tertiam circuli erit aspectus trinus Et si rema-
serit medietas circuli erit aspectus oppositus Si plures gradus aut
pauciores remanserint non aspiciunt se planete Et si nichil rema-
serit tunc erunt planete in coniunctione corporali Et si remanserint
tot gradus quot complectitur alterius splendor tunc erit coniunctio sine ipsi
plete et non corporalis etc Pro quo sit benedictus deus in secula

Explicit Theorica planetarum nova nomi-
ne dicta Sub anno domini Mille-
simo Quadringentesimo decimo sexto

Numerus est duplex scilicet numerus numerans et numerus numeratus. Numerus numerans est duplex [illegible]

Numerus est duplex scilicet mathematicus
qui dicitur numerus numerans. Et naturalis qui
dicitur numerus numeratus. Numerus mathematicus non
est materia tamen sicut aliqui [illegible] yma-
ginatur ymmo ex numeris sicut enim dicitur
mathematicum et naturale nisi secundum formam
corpus mathematicum et physicum. Unde tamen puncta linea
et superficies et corpus mathematicum quantum numerus et ulterius ad
mathematicum est in naturalibus quantum 2m physicorum 6o metaphysice
et primo de anima mathematica sunt in rebus 2m esse no-
tum 2m considerationem et in hoc differunt a naturalibus que sunt
in rerum natura et 2m esse et 2m considerationem. Diffini-
tur numerus dicitur primo sic numerus est unitatum collectio vel
quantitatis acervus ex unitatibus profusa. Divisio numeralis
est ista numerus alius par alius impar. Numerus par
est qui potest in equalia dividi nullo medio intercidente.
Numerus autem impar est qui numquam potest dividi in duo equalia
quin semper medium intercidat ut in 3 et 5. Secunda
diffinitio. Numerus par est qui sub eadem divisione dividi
potest in duo maxima et in duo parvissima. Maxima spa-
tio minima quantitate 2m duas passiones duorum scilicet quanti-
tatis et discrete. Verbi gratia de 8 qui dividitur in 4 et 4 et
in dividi non potest nisi tamen divisio fiat per equalia vel
et potest dividi in parvissima scilicet 2 divisio est binarie
vel reducatur ad binarium. Numerus autem impar est qui
sic dividi non potest. Tercia diffinitio talis est numerus par
est qui in duo equalia vel in duo inequalia media
dividitur [illegible] imparitatis paritas vel paritatis
imparitas [illegible] principium binarium

[illegible marginalia]

qui reliquitur no[n] ut dico[rum] ut gratia de 8 qui dividi p[otes]t
in 4 et 4 in 2 et 2 impar aut n[umer]us est q[ui] s[ecundu]m superius prius
p[er] equalia n[on] s[ed] una p[ar]s impari fiat et alia
fiat pari. Alia diffi[niti]o talis est n[umer]us par est qui diff[er]t
ab impari uno s[e]c[un]d[u]m incremento vel diminutione ut p[re]
ternarius d[icitu]r a senario unitate incremento ab octenario vi-
tate diminutus. Omnis enim n[umer]us est medietas duorum numero[rum]
circa se iacentium in equali distantia a partibus utrisque ut gratia 7 est me-
dietas inter sex et 8 sibi c[on]iunctorum et inter 9 et 5 et 9
et deinceps. Item parium 3 species sunt scilicet par[iter] par,
par impar, impar pariter. Numerus pariter par est iste q[ui]
potest dividi in duo equalia quousque ista divisio p[er]veniat ad
unitatem p[er]veniet ut gratia 64 potest dividi in 32 et et 32
et in 16 et in 8 et 8 in 4 et 4 in 2 et 4 et in 2 et
2 et in 1 et 1. Huius autem numeri talis est c[on]tinua proportio dupla eorum
numerorum incipiendo ab unitate. Huius autem n[umer]i 3es sunt p[ro]prietates. Prima
est quod quelibet pars n[umer]i pariter par[is] aliqua parte eius denominatur
denominatur ut gratia 16 1a est secunda pars de 32 et 2 est
sextadecima pars eius. Secunda p[ro]prietas est quod omnis n[umer]us pariter
par vel usque impar omnibus p[ro]cedentibus simul iunctis in solam unitate[m]
quam parcat excedit. Tertia p[ro]prietas est si plures
n[umer]i disponantur et sint disp[osi]ti tales quod si extremum multi-
plicetur per extremum et medium per medium idem resultabit.
Pariter aut impar n[umer]us est qui potest dividi in duo equalia
sed due medietates eius in duo equalia dividi non possunt
ut 18 dividitur in 9 et 9. Huius aut n[umer]i g[e]n[er]atio est talis
disponantur omnes n[umer]i impares post binarium et post ea ter-
nario usque ut 1 3 5 7 a 9 et multiplicentur quilibet per binarium
omnes n[umer]i qui inde p[ro]venient pariter impares appellantur.
Istius aut n[umer]i p[ro]prietates sunt 3es. Prima est quod
tales n[umer]i dicuntur a senario c[on]tinuando ut sunt [illegible]
simul quod tales 2 6 10 14 18 et deinceps. Item alia
qui est n[umer]us pariter impar d[icitu]r 14 et 10 a senario

p4 et de incepe. Beda qm̄bs huius numeri tlis ꝫ q si una
pars illius numeri sit par in sua qualitate et impar in sua de
nominatione et econverso ut gratia quaternarius est 2ª pars denarii et est
par in sua qualitate sed par sua denominatione quia denomina
abinario et econverso sed de binario. Dicit autem non est de numero
pariter par et quamvis pars eius est par qualitate sed denominatione et tamen
est ita quia iste denominatur pariter par et impariter par. 3a
proprietas est quod si inter duos numeros pariter impares fuit tamen medius
numerus ipse est continens quantitatem mediam et idem eorum quia
sic fuit et quantum ad extrema cuiuslibet minorum. Non pariter
impariter numerorum ut 2 et 10 faciunt 12 cuius medietas
est 6 quia est tamen numerus inter dictos numeros pariter impares
ut 2 6 10 14 18. Impariter par est numerus qui potest dividi
in duo equalia et utriusque eius medietas in 2 equalia
sed ista divisio non procedit ad unitatem ut gratia 40 dividitur in 20
et 20 et 20 in 10 et 10 et 10 in 5 et 5 sed ultimus non
procedit per equalia. Numerus autem iste gerit et dicit cum numero
pariter pari, gerit autem in hoc quia utrique in 2 equalia dividi
potest, sed medietas eius per equalia non potest dividi et in hoc
dicit cum numero pariter pari. Huius autem numeri generatio talis est
accipiantur numeri pariter pares incipiendo a quaternario et deinde numeri
impares incipiendo a ternario pares sicut 4 8 16 32 et multi
plicentur quilibet pariter parium per quemlibet istorum impariter sicut
3 5 7 9 11 et omnes numeri qui inde provenient impariter pares
vocantur. Huius autem numeri 2a una differentia sunt eedem
proprietates que sunt pariter pari. Eorum vero alia di
spositio sunt eedem que sunt pariter impari sicut in quadam figura
declaratur. Maius ... sicut 4 numeri 12 24 48 96 et
in eadem sunt isti secundum latitudinem 12 20 28 36 et eius
latitudinis sunt proprietates eedem sicut pariter parium sicut quod si multiplice
tur extremi per proximum vel medium per medium vel medii
ipse idem provenient. Similiter illi eius latitudinis
sunt proprietates pariter parium quia si addantur extremi vel medii
vel medium sibi ipsi idem proveniet.

12	24	48	96
20	40	80	160
28	56	112	224
36	72	144	288

Habito de numero pari et eius speciebus sequitur de numero impari. Impar autem numeri 3es sunt species scilicet primus et incompositus, secundus et compositus, tertius et incompositus non secundum se sed ad alium relatus.

Primus quidem et incompositus est qui nullum habet aliud ab unitate preter se metientem sicut 3. 5. 7. 11. 13. 17. 19. ¶ Alia species imparis est iste numerus qui dicitur secundus et compositus scilicet iste qui non solum habet unitatem [illegible] sed etiam alios numeros preter se [illegible] quia per hoc non solum [illegible] ut 9. [illegible] et [illegible] 15. 21. ¶ Tertia species dicitur 3us et compositus non in se sed ad alios comparatus et incompositus quia in se habeat aliquam partem sui aliam ab unitate tamen ad alium relatus nullam mensuram quam potest attribuere [illegible] et [illegible] numeri sunt [illegible] et [illegible] quorum nulla est mensura communis [illegible] quia pars unius aliquota excepta unitate non est pars alterius quamvis sit pars alterius aliquota quia non [illegible] partes aliquote [illegible]. ¶ Est autem pars aliquota de qua presentis loquitur [illegible] que aliquotiens sumpta reddit suum totum precise ut 2 aliquotiens sumptum reddit 4 et 3 ter sumptum reddit 9. ¶ Predictorum numerorum generationem colligere disponantur omnes numeri impares per ordinem [illegible] sicut 3. 5. 7. 9. 11. 13. 15. 17. 19. 21. ¶ His [illegible] non dispositis [illegible] obmittantur [illegible] et accipiatur [illegible] et [illegible] obmittantur [illegible] et accipiatur [illegible] quorum [illegible] acceptorum [illegible] est mensura. ¶ Et [illegible] in ordinatione [illegible] et [illegible] que mensurat [illegible] mensurat [illegible] impares mensurat et [illegible]. ¶ [illegible] obmittantur [illegible] et accipiatur [illegible] est mensura ut [illegible] quod mensurat [illegible] mensurat [illegible] quo due species sunt [illegible] ¶ 3a autem [illegible] species est [illegible] ¶ Si volueris [illegible] de duobus numeris imparibus utrum sint [illegible] impar [illegible] si [illegible] usque ad unitatem [illegible] ut [illegible] 9 et [illegible]

Habito de 3bus speciebus numeri paris et de 3bus speciebus numeri imparis [illegible] est ad tres species numeri paris et imparis [illegible] non [illegible] autem numerus [illegible]

ut superfluus numerus dimi[dius] et perfectus. Numerus superhabundans est cuius partes aliquote simul sumpte reddunt suum totum et amplius ut in 12 cuius partes aliquote sunt 6. 4. 3. 2. 1. que omnes partes simul aggregate reddunt 16. Numerus diminutus cuius partes aliquote simul sumpte reddunt minus quam suum totum ut in 8 cuius partes aliquote sunt 4. 2. 1. que omnes partes simul aggregate faciunt 7. Numerus autem perfectus est cuius partes aliquote simul sumpte reddunt totum precise, cuiusmodi est 6 cuius partes sunt 3. 2. 1 que aggregate reddunt totum non plus nec minus. Generatio autem numerorum perfectorum talis est in ter unum et 10 unicus est perfectus, in ter 10 et 100 alius, inter 100 et 1000 alius etc. Qui omnes sunt inveniri. Disponantur omnes numeri pariter pares ut in 1. 2. 4. 8. 16. etc. deinde aggregentur 2 primo et 3 et prima etc. et primo ea quoties [illegible] si ex ista dispositione proveniat primus et incompositus multiplicetur totum per numerum pare[m] sibi et ultimo additum et numerus proveniens inde est numerus perfectus. Si autem numerus inde proveniens non sit primus et incompositus tunc addatur numerus unus sequens et fiat multiplicatio ut prius quousque numerus proveniat perfectus. Sequitur de numero absolute considerato.

Habito de numero sic considerato non relato ad aliud sequitur dicendum de numero ad aliud relato. Omnis autem numerus ad aliud relatus aut est equalis aut inequalis. Si sit equalis ut dicitur a c eo a ad a b. Si a ad b est quis modis sicut maioris superparticularis superpartiens multiplex superparticularis et multiplex superpartiens. Si b ad a est quis modis sicut quis ipsius a[ddita] equalitas addita eis hac preponentes sub et similiter de omnibus speciebus proportionis est dicendum et primo de maioris. Multiplex autem numerus est qui ad aliud suum relatus continet ipsum plus quam semel et hoc multipliciter quia aut precise continet bis aut ter aut quater et sic in infinitum et est eius quoddam numerum species sunt infinite ut proportio dupla tripla etc. Iste autem species sunt sic inveniri eam in numeris naturalibus modo absoluto ut in 1. 2. 3. 4. 5. 6. tunc comparetur 2 primo et liceat 2la proportio et 3us primo et liceat 3la proportio etc.

1	2	3	4	5	6	7	8	9	10	11	12	
2	4	6	8	10	12	14	16	18	20	22	24	Dupla
3	6	9	12	15	18	21	24	27	30	33	36	Tripla
4	8	12	16	20	24	28	32	36	40	44	48	Quadrupla
5	10	15	20	25	30	35	40	45	50	55	60	Quintupla
6	12	18	24	30	36	42	48	54	60	66	72	6la

[illegible] sic [illegible] (marginal note above tables)

3	6	9	12	15	18	21	24	27	30	33	Sesquitertia
4	8	12	16	20	24	28	32	36	40	44	

4	8	12	16	20	24	28	32	36	40	44	Sesquiquarta
5	10	15	20	25	30	35	40	45	50	55	

Sesquiquinta

5	10	15	20	25	30	35	40	45	50	55
6	12	18	24	30	36	42	48	54	60	66

infinitum. Si autem aequales duplas proportiones volueris invenire, continue accipiantur numeri naturales in una linea et in alia linea numeri continue procedentes binario et comparentur primus primo .2.1. 2° [illegible] 3° etc. et habebuntur infinite tales proportiones. Similiter si aequales infinitas vel triplas proportiones invenire, accipiantur in una linea numeri naturales et in alia linea numeri procedentes ternario et comparentur primus primo .2. [illegible] et sic in infinitum et invenientur infinite tales proportiones et sic de quadrupla et quintupla proportione per [illegible] et sic in infinitum.

Habito de multiplici, sequitur de superparticulari. Superparticularis numerus est qui ad alium comparatus continet ipsum totum et aliquam eius partem, et hoc potest esse in modis infinitis, quia potest continere totum et eius medietatem et tunc dicitur sesquialtera, vel totum et eius tertiam partem et tunc dicitur sesquitertia, vel ipsum totum et eius quartam partem et tunc dicitur sesquiquarta etc. Sesquialteras autem [illegible] tales accipiantur in numeris naturalibus modo ab unitate [illegible] 2 3 4 5 et comparentur [illegible] et 4 ad 3 et sic tales proportiones infinite. Si autem ab unitate sesquialteras invenire, accipiantur in una linea omnes numeri procedentes binario modo ab unitate et in alia omnes numeri procedentes ternario ut 2 4 6 8 10 et in alia 3 6 9 12 15 etc. Nam 3 est sesquialtera ad 2, 6 ad 4, 9 ad 6, 12 ad 8, 15 ad 10 etc. in infinitum. Si autem velis sesquitertias, accipe omnes numeros procedentes per 4 ut sunt 4 8 12 [illegible] 4 sesquitertia 3 ad 3 et 8 ad 6 et 12 ad 9 etc. Et sic accipe semper [illegible] numeros procedentes [illegible] 9 24 ad [illegible] etc.

Sequitur de superpartiente. Superpartiens numerus est qui ad alium comparatus continet ipsum totum et aliquas eius partes et tunc dicitur [illegible] et potest continere totum et duas eius partes et tunc dicitur [illegible] vel 3es eius partes et dicitur [illegible] etc. Et [illegible] species infinite. Sed [illegible] autem [illegible] est accipiantur numeri naturales in una linea modo aequalis et comparentur primus primo 2° 2° etc. et habebuntur infinite [illegible].

Sequitur de multiplici superparticulari. Multiplex superparticularis est ille qui ad alium comparatus continet ipsum plus quam semel et cum hoc aliquam eius partem [illegible] vel aliquam eius partem [illegible] aliquam [illegible] plus quam semel [illegible] vel ter vel quater [illegible].

2	3	4	5	6	7	8	9	10	11	12
5	7	9	11	13	15	17	19	21	23	25

[illegible] proportio sesquialtera [illegible] 6 et [illegible] 12 [illegible] 8 [illegible] proportio sesquialtera [illegible] 12 [illegible] 8 [illegible] 3 est proportio sesquialtera ad 2 [illegible] 3 [illegible] dupla etc.

Sesquialtera

2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30

[illegible] 18 [illegible] 24 [illegible]

De superpartiente

3	4	5	6	7	8	9	11	12	13	14	[illegible]
5	7	9	11	13	15	17	19	21	23	25	27

[illegible] 3 [illegible] ad 5 [illegible] partes etc.

Sic accipe 1 2 3 4

(right margin)

[illegible]
1 2 3 4 5 6
2 4 6 8 10 12
quia [illegible] 2 ad 1 [illegible] 2a et [illegible] 3 ad [illegible] 2 [illegible]

Similiter pro aliis
1 2 3 4 5 6 7 8
3 6 9 12 15 18 21

de proportione quadrupla
1 2 3 5 4 6 7
5 8 12 16 20 25 [illegible]
1 2 3 5 4 6
4 10 14 20 24 30

[illegible] 2 4 8
[illegible] 2 3 4 7
[illegible] 3 7 4[illegible]
[illegible]
[illegible] 38

[illegible] 4 6 6
3 4 7
quia [illegible]

[illegible] 2 3 4
6 8 [illegible]
[illegible]

Si autem [illegible]
4 8 12 16
3 6 9 12

[illegible]

1 2
1. 1 2 pla
2. superpartiens pla
3. 4 [illegible]
4. 3 [illegible]
5. 2 [illegible] superparticularis [illegible]
6. 2 [illegible]
7. superparticularis [illegible]
8. sesquialtera
9. [illegible]
10. sesquitertia
11. [illegible]
12. [illegible]

[illegible] (bottom margin note)

[illegible]

... sic in infinitum et 2m hic sunt 4or numeri species infinite quarum prima est [illegible] vnus numerus continet alium [illegible] et eius [illegible] ... [illegible]

Multiplex superparticularis										
3	6	9	12	15	18	21	24	28	32	36
8	16	24	32	40	48	56	64	aa	88	99

Sequitur de multiplici superpartiente ... [illegible] ... Sed multiplex superpartiens est qui ad alium comparatus continet ipsum plus quam semel et eius aliquas partes ... [illegible]

Multiplex superpartiens								
4	8	12	16	20	24	28	32	36
11	22	33	44	77	66	aa	88	99

Ipse quot sunt species ... inequalitatis ... [illegible]

Sequitur secundus liber Arismetice ...

Si autem ... omnis inequalitas ab equalitate ... procedit ... accipe 3es terminos inter quos sit equa ...

9	12	16
9	21	49

27	20	16
37	40	81

9	6	4
18	6	2

4	6	9
4	10	21

4	6	9
4	2	1
1	2	4
1	1	1

9	12	16
9	3	1

9	3	[illegible]
9	12	16

4	10	27
4	6	9

16	20	27
16	4	1

cu[m] duob[us] 2is [illegible] loco 2a sup[ra] infra

Porro ut q[ua]dra[tu]la figura accipe cesle p[rimu]s et constitue in loco p[rim]o deinde subtrahe p[rimu]m 4or et rursus pone in loco 2o et deinde 2o 2i 4or subtrahe et residuu[m] pone in loco 3o ut in figura. Reducat[ur] in q[ua]drula ad trila et trila ad duplaz et dupla ad cesle p[ro]ut p[atet] in datum reducunt[ur] spes superficial[es] ad suas in[...] ita ut sexqualtera ad dupla et sexq[ui]tercia ad trila et sexq[ui]quarta ad q[ua]rta. Si[mi]liter in datum reducunt[ur] spes superficie[s] ad suas spes superficiales ita q[uod] superbip[ar]ciens ad sexqualtera superp[ar]ciens ad sexq[ui]terciam. Item spes [...] superficie[s] reducuntur ad suas superficie[s] ita q[uod] dux superbip[ar]ciens ad superbiperciens simp[li]citer et [...] superp[ar]ciens ad aliu[m] et [...] mla[...] superficie[s] ad suas superficie[s] simp[li]c[ite]r ita q[uod] dux sexqualtera ad sexqualteram et tri[...] sexq[ui]tercia ad altera sexq[ui]terciam [...] et o[mn]es ille spes sunt actu[ale]s [...] quibus planu[m] est q[uo]d o[mn]es inequalitas ad cesle reducu[n]tur. [...] Item datum

Omnes spes [...] et superficie[s] [...] reducuntur [...] dupl[...] [...] sexqualtera 29 [...] 39 3 [...] 494 [...] ut in figura. [...] 29 20 39 [...] 49 [...] Alud datum [...] sexq[ui]tercia 29 [...] 393 49 [...] sexqualtera et sexq[ui]tercia [...] superficie[s] [...] sexqualtera [...] 246 4 [...] Aliud datum est q[uo]d [...] tripla [...] et sexq[ui]terciam [...] spes [...] figura 268 [...] ad [...] sup[ra] est [...] 3a [...] ad [...]

Notandu[m] est q[uod] [...] dimensio [...] linee superficies et corp[...] Aliud [...] dimensione [...] dimensio est [...] linee et superficiales ad [...] superficiei et corporales [...] solidos [...] est [...] adiecta [...] modo ductio [...] Superficial[is] [...] ille [...] figura 2 3 4 [...]

1	4	16
1	2	4
1	2	4
1	1	1

9	12	16
9	6	4

4	16	28
10	6	6

4	10	25
4	6	9

6	20	
6	14	

2a [...]
1 2 4 8 16
3 6 12 24
9 18 36
27 54
81

3a
1 3 9 27 81
4 12 36 108
16 48 144
64 192
256

1 4 16 64
5 20 80
25 100
125



Rad q[ua]drag[...] [...] accipe [...] 1 2 3 4 5 6 7 8 9 [...] et obmittant[ur] [...] 49 [...] 1 2 7 [...] et [...] obmitti 4 [...] 16 [...]

c 60 qui per dispositionem ad planum superficiei. Numerorum superfi-
cialium alius triangulus alius tetragonus alius pentagonus
c 80 et in infinitum. Triangulorum quidem sunt qui constituuntur numeris naturalibus modo
ab unitate 1 3 6 10 15 21 et sic usque in infinitum et aggregatur 2 primo
et habebis primum triangulum et 3 primo et 2° et habebis 2^m triangu-
lum et sic in infinitum ut in figura. Ex quo patet quod trianguli per
aggregationem numerorum in naturali serie accipiuntur. Tetragoni
autem per aggregationem numerorum imparium ab unitate. Duobus enim primis imparibus
in infinitum ut in figura patet 1 4 9 16 25 et sic
c 20 in infinitum. Solidus autem numerus est qui potest dispositionem ad planum
solidi sive corporis ita quod habeat 3 dimensiones scilicet longitudinem la-
titudinem et profunditatem. Numerorum autem solidorum plures sunt species
quarum prima pyramidalis est numerus
c 21 qui per dispositionem ad planum corporis pyramidis. Est autem pyra-
pyramidale quod a latere incipit et tendit ad punctum superius. Est autem corpus
autem pyramidale est quia quaedam pyramis a basi triangula. Alia a
basi quadrangula. Alia a basi pentagona et sic usque. Alia a
c 22 basi hexagona et sic in infinitum. Numeri vero pyramidales
c 23 ... quorum sunt infinite. Numerorum quidem sunt qui
spiralis a basi triangula per aggregationem numerorum triangulorum superiorum communi
communi figura 1 3 6 10 15 21 et sic in infinitum. Unde prima
pyramis est unitas, 2ª 4, 3ª 10, 4ª 20, 5ª 35, 6ª 56 et sic
ut patet in figura superius facta. Secundo a basi tetragona per aggregationem
tetragonorum figura 1 4 9 16 ita quod prima pyramis tetragona
est unitas, 2ª 5, 3ª 14, 4ª 30, et sic de aliis ut non potest fieri
figura in plano. Tertio per aggregationem pentagonorum fit pyramis
pentagona et sic de aliis in infinitum et inter. Harum autem
pyramidum quae sunt perfecte sunt in quibus fit additio
numerorum ab unitate. Alie autem sunt bis curte scilicet in
quibus desunt duo numeri. Alie vero ter curte in quibus
desunt 4 numeri et sic.

Habito de solidis numeris qui pyramidis figuram obtinent. Sun-
t alia scilicet diversi modi solidorum. Solidorum alii
sunt cubi alii asseres alii sunt laterculi alii cuneoli alii ta-
bella vel tabulae. Cubus est ille qui potest dispositionem ad planum
corporis cubici. Corpus autem cubicum est id quod habet 3 dimensiones
scilicet longitudinem, latitudinem et profunditatem ut dicitur quadratum et aequale.

c 14 Imprimis ponitur a principio numerus 1 3 7 9 11 et sic
ut 4 9 16 25 et sic. Pentagoni vero capiuntur a 6 et sic.

Alie autem sunt in perfecto ... quod
dicitur perfectae ... desunt numeri ...
... ad ...
... deficiunt ...

est omnis numerus qui fit productum alicuius numeri in seipsum bis
ut 8 dicitur bis duo bis et ita est. Sicut autem iste numerus equi-
et per equalia numeri naturalis accipitur gradatim numerus tetragonum bi-
dum numerum cubicum percreati. Cum autem speciei vero opponitur numerus tri-
plex vel omnifarius est id est qui fit per equalia et inequalia
et per inequalibus [illegible] ut 4 [illegible] et inter istas duas
species est numerus asser et numerus laterculus. Numerus asser est id est qui
fit de inequalibus equaliter ut bis tria bis. Laterculus est ille qui fit
equalibus inequaliter ut ter quater quater. Numerus autem circularis vel cir-
cularis sunt qui sunt consumantes in quinarium vel senarium
in senarium terminantes ut quinque quinquies faciunt 125 sexies sex faciunt
36. Et dicuntur circulares quia sicut in spera [illegible] et ad eundem punctum
reversio sit isti numeri quinarius vel senarius ad quinarium vel
ad senarium redeunt. [illegible]

Omne quod est in mundo aut constat ex forma eiusdem vel diversa
natura et [illegible] et eiusdem ad unitatem pertinet. Natura vero alterius
pertinet ad binarium qui est primus omnis alteritatis [illegible]
ab unitate recedat et ab his duobus scilicet ab unitate et a binario
ab unitate recedat [illegible] omnis numerus designatur per numerum quadratum et per alta parte longiores
Unde omne quod in mundo vel est sic immutabile vel eiusdem sic ut
[illegible] omne quod in mundo immutabile et variabilis sicut corpora [illegible]
[illegible] et [illegible] ne mutabile et in numero constat totus mundus. [illegible] numerus quadratus
natura immutabilis et in numero constat [illegible] et ex numerus alta parte longiori
quadratus qui nascitur ex unitate et ex numerus [illegible]
bus qui nascitur a binario omnis numerus [illegible] quadratus
[illegible] sit [illegible] quadrato [illegible] sit quadratus
et [illegible] sit alta parte longior [illegible] longior
Quadratus numerus est id est qui fit productum alicuius numeri in
seipsum ut 4 [illegible] alta parte longior est id est numerus qui fit
productum alicuius numeri [illegible] in [illegible] ut 2 et 3
Et sic iste modo constat ex [illegible] et [illegible]
ita [illegible] numerus quadratus et alta parte longioribus
ad [illegible] [illegible] quadratorum [illegible]
[illegible] quadratus [illegible] 27.
36. [illegible] alta parte longiorum [illegible]
6. 12. 20. 30. 42. [illegible] quadratorum et alta
parte longiorum [illegible] numerus alta parte
longior [illegible] quadrato [illegible] dupla proportio [illegible]

[Marginal notes:]

[boxed:] seipsum ut bis duo alta parte longior [illegible] productum alicuius numeri in [illegible]

[illegible] 1 ad 3 [illegible] 4 ad 9 [illegible]

[illegible]						
1	4	9	16	27	36	quadratus
2	6	12	20	30	46	[illegible]

[illegible] 1 ad 2 est proportio [illegible] 4 ad 6 [illegible]

qui est primus quadratus comparatur ad 2 qui primus est altera parte longior. Et sic 2us numerus quadratus comparatus 2o altera parte longiori erit sexquialtera proportio ut 4 ad 6. Et sic 3us comparatur 3o ut 9 ad 12 et 16 ad 12 etc. [illegible] Tercia proprietas est quod si 2us quadratus comparatur primo altera parte longiori et 3us 2o et 4us 3o eadem proveniet [illegible] ut si comparantur 4 ad 2 et 9 ad 6 sexquialtera et 16 ad 12 sexquitercia etc.

Quarta proprietas est quod omnes quadrati diversi [illegible] in imparibus ut 1 ter [illegible] et 4 et 9 [illegible] etc. Et numeri altera parte longiores diversi paribus ut numerus 2 et 6 [illegible] 4 [illegible] 6 et 12 [illegible] 6 etc.

Quinta proprietas est quod si [illegible] quadratus et [illegible] ponatur primus altera parte longior in eadem proportione scilicet [illegible] ut [illegible] et 9 ponatur 6 [illegible] 6 est sexquialtera proportio ad 4 [illegible] 9 ad 6.

Sexta proprietas est quod si [illegible] duo quadrati et [illegible] altera parte longior [illegible] multiplicatur [illegible] qui [illegible] et extremus [illegible] et [illegible] 4 ad 9 [illegible] 36 et [illegible]. Et [illegible] si [illegible] duo altera parte longiores [illegible] qui [illegible] multiplicatur proveniet numerus [illegible] 12 ad 6 que faciunt [illegible] 8 [illegible] 4 [illegible] multiplicatur [illegible] 4 [illegible] bis 4 faciunt 8 [illegible] addas 8 et [illegible] 16 [illegible] 4 [illegible] 16.

Septima proprietas est quod [illegible] numeri quadrati et altera parte longioribus [illegible] numeri trianguli ut patet in figura. Ita si addatur [illegible] duobus [illegible] 6 4 [illegible] qui [illegible] trianguli.

Septima proprietas est ut si [illegible] altera parte longior ut si [illegible] 2 et [illegible] qui est altera parte longior [illegible] 4 [illegible] 2 qui est altera parte longior [illegible] et altera parte longiores alternatim [illegible] proportiones erunt medii [illegible] sic [illegible] 1. 2. 4. 6. 9. 12. 16. 20. 25. [illegible] 2 [illegible] ita 4 qui est [illegible] ad 2 qui est altera parte longior et 6 qui est altera parte longior ad 4 ita 9 ad 6 etc.

Secunda proprietas

[illegible]

1 4 9 16 25 36 [illegible]

2 6 12 20 30 42 [illegible]

[illegible] 2 ad 4 est [illegible] 16 ad 9 [illegible] 3 etc.

Tercia proprietas 1 4 9 16 25 36 49

2 6 12 20 30 42

[illegible] 3 et [illegible] 4 et 9 [illegible]

Quarta 1 4 9 16 25 36

2 6 12 20 30 42

[illegible] 1 ad 4 [illegible] quando 4 ad 2 [illegible] quando [illegible] 4 9 [illegible] 6 [illegible] ad 4 [illegible] 9 [illegible]

Quinta 1 4 9 16 25 36 [illegible]

2 6 12 20 30 42 [illegible]

1 ad 4 [illegible] multiplicatur [illegible] 2 [illegible] 4 [illegible] 9 [illegible] 4 ad 9 [illegible] 12 [illegible] 24 [illegible] 36 [illegible]

1 4 9 [illegible]

2 6 12 [illegible]

et [illegible] 8 [illegible] 2 ad 6 [illegible] 4 [illegible] 8 et [illegible] 8 ad 8 [illegible] 16 [illegible]

Sexta 1 4 9 16 [illegible]

2 6 12 20 [illegible] 2 [illegible] 6 ad 4 [illegible]

Septima proprietas 1 4 9 16 25 36

2 6 12 20 30 42

1 4 9 16 25 36 [illegible]

2 6 12 20 30 42 [illegible]

[illegible] 1 2 4 6 9 12 16 25

[illegible]

videlicet

His visis de proporcionibus et medietatibus que valent ad musicam spectandam. Unde sciendum quod proporcio est duarum terminorum ad invicem quedam habitudo. Proporcionalitas vero est duarum vel plurium proporcionum assumptio ad invicem atque collatio. Vel proporcionalitas est duarum vel plurium proporcionum similis habitudo. Proporcionalitas ad minus in tribus terminis invenitur ut sit sicut 4 ad 2 ita 8 ad 4 sicut et in quatuor terminis ut sicut se habent 6 ad [illegible] ita se habent 4 ad 2. Et quando ibi sunt 3es termini unum duo ut 2bus. Unde sciendum quod duplex est proporcionalitas quedam continua que est inter tres terminos et disiuncta que est inter quatuor terminos. Sunt autem 10 medietates sed quia 3 sunt magis perfecte et perfectius est perfectio in qua omnis armonie sive consonancie simplices sive composite continentur. Harum autem 3es sunt antique et famose que ad pitagoram et platonem et aliorum studiis pervenerunt scilicet arismetica geometrica et armonica de quibus est dicendum. Inter quas prima dicta medietas dicitur eo quod in disposicione naturalis numeri per se reperitur. Est autem medietas arismetica quando terminis positis 3bus vel pluribus inter eas eadem differentia sunt sicut eadem proporcio continua ut patet invenimus ut in istis 3bus terminis 1. 2. 3 et 4 [illegible] ut dicitur et in omni numero naturalis disposicione reperitur. Nam quanto terminus distant ab uno secundum primam naturam ita et aliquis [illegible] per primam naturam. Et terminus si sit [illegible] ad eandem in 3a proporcione quamvis non ad terminum est superparticularis. Medietas autem harum sunt et perfecte. Sua est quod si quilibet proporcionalitas in tribus terminis disponantur extremi contiuncti tantum faciunt quantum medium duplatum sicut in his tribus proporcionalitatibus ut si ponantur 1. 2. 3. tunc extremi sunt 4or et bis duo faciunt 4or. Vel si ista proporcio fit in quatuor terminis duo medii coniuncti tantum faciunt quantum et extremi coniuncti ut si ponantur 1 2 3 4 quia 1 et 4 sunt 5 tantum et 2 et 3. [illegible] apparet ut sit quantum terminum ad se ipsos inter ita se differentie coniuncte [illegible] inter se, quia sicut omnes [illegible] sibi equales ita differentie sunt equales. 3a proporcio est quod [illegible] inter [illegible] termini [illegible] si multiplicentur extremum per extremum

[illegible] ut 24 6 [illegible]

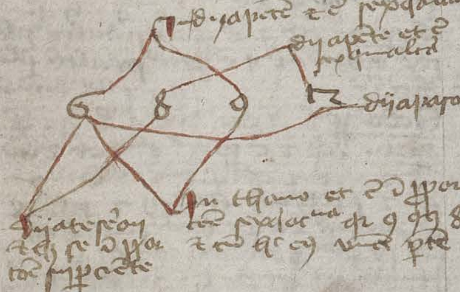
[illegible] 2. 4. 6. 8. [illegible] 8 [illegible] 16 [illegible] 2 et 8 [illegible] 46 [illegible] 24 [illegible] 4 et 6 [illegible] 8 [illegible] 4 [illegible] 8 [illegible] 24 [illegible] 16 [illegible] 7 8 4

et medium [illegible] vel [illegible] medium si fuerit in 4or in 4or terminis istud quod [illegible] contin[illegible] medii in [illegible] vel maius [illegible] ut quod [illegible] terminis [illegible] extremos in [illegible] [illegible] producta unius duarum [illegible] duarum [illegible] se habent 2 ad 4 ita 4or ad 6 [illegible] [illegible] ut 10 que [illegible] [illegible] 2 in 4 [illegible] 4or [illegible] terminis [illegible] duarum [illegible] [illegible] duarum [illegible] aut 2 [illegible] 4 [illegible] [illegible] sive pla[illegible] [illegible] quorum [illegible] ad [illegible] ducta superficiem [illegible] ducta in se [illegible] [illegible] ductam unius ad aliam 4 [illegible] [illegible] inter [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] si ducta [illegible] [illegible] 2 ad 3 ita 3 ad 4 [illegible] et 3 [illegible] [illegible] [illegible] 3 [illegible] 4 [illegible] [illegible] [illegible] proportionum [illegible].

Habito de medietate arismetica dicendum est de geometrica. [illegible] geometrica est [illegible] tres terminos [illegible] vel 4or vel pluribus in terminis [illegible] eadem proportio [illegible] non eadem differentia ut apparet in hiis terminis 2 4 8 [illegible] [illegible] inter [illegible] 2 [illegible] est dupla proportio ita inter 8 et 4 [illegible] non eadem differentia [illegible] inter 2 et 4 [illegible] dualitas ita inter 4or [illegible] 8 est [illegible] [illegible] [illegible] aut mediet[illegible] [illegible] [illegible] est [illegible] [illegible] habet [illegible] ad [illegible] [illegible] [illegible] ad [illegible] ut [illegible] 4 [illegible] dupla ad 2 [illegible] 8 ad 4 [illegible] [illegible] inter 8 [illegible] 4 est dupla ad [illegible] [illegible] inter 4or et 2 [illegible] [illegible] est [illegible] [illegible] [illegible] ad [illegible] [illegible] [illegible] re[illegible] [illegible] [illegible] in [illegible] vi [illegible] [illegible] [illegible] [illegible] ad 4 [illegible] [illegible] ad 8 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] et 8 [illegible] 4 [illegible] [illegible] [illegible] [illegible] aut in [illegible] dupla [illegible] [illegible] [illegible] [illegible] ista [illegible] [illegible] in [illegible] [illegible] si [illegible] [illegible] [illegible] et medium [illegible] [illegible] [illegible] sit ista medietas [illegible] 4 2 4 8

[o]bus 8 sit 16 quarto quarti ac sit 16. Et si fiat medietas quatuor
terminos multiplicando extremo per extremum idem reddit ac si multiplicetur
unum medium per aliud medium verbi gratia sit quatuor terminorum 2 4 3 6.
bis 6 sunt 12 similiter ter 4 sunt 12. Et propter hoc est quod in ma-
ioribus terminis eadem proportio reperitur ut inter 2 4 8 16.
32 64 et cetera in ceteris.

Sequitur de medietate armonica. Medietas armonica est
quando tribus terminis vel pluribus dispositis in ipsos proce-
dit differentia in eadem proportione videlicet. Et est ut si sit
maximus terminus ad minimum ita sit differentia que est inter maximum
et medium ad differentiam inter medium et minimum verbi gratia 2 3
6 sicut sunt 2 ad 6 in tripla proportione sic sit differentia maioris
qui est differentia inter 6 et 3 ad differentiam que est differentia 3 et
2. Huius autem medietatis tres sunt proprietates prima est quod in maioribus
terminis maior est proportio et in minoribus minor quod patet in medietate
armonica verbi gratia 2 3 6. Ita 2 ad 3 comparata sesquialtera sunt pro-
portio sed 3 comparata ad 6 sunt dupla. Cum ergo dupla sit
maior proportio. Secunda proprietas est quod quanta parte minimum exce-
ditur tanta parte maximus terminus excedit medium
terminus sive minus ab ipso tantum extremo verbi gratia 2 3 6. Duo
enim exceduntur a 3 in medietate binarii scilicet in uno et eadem
3 exceduntur a 6 in medietate senarii scilicet in 3. Tertia proprietas
est quod si terminus extremum sit migrant et multiplicetur per medium
istud quod proveniet in secunda proportione se habebit ad istud quod pro-
veniret ex multiplicatione extremi per extremum verbi gratia 2 3 6 quia bis
2 ad 6 et sunt 8 multiplica tamen 8 per 3 sunt 8 sunt 24. Item
multiplicatio extremi per extremum scilicet 6 per binarium duobus
sunt 12 que est medietas de 24. Dicitur autem medietas ar-
monica quia frequenter et est semper ... medietates omnes musice
proportiones reperiuntur. Et notandum quod hec tres medietates que
dicte sunt inter 2 terminos possunt inveniri ut inter 10 et 40
et si disponatur 25 in medio erit ibi arismetica medietas sicut
10 25 40 ita sit se habet 40 ad 25 ita 25 ad 10 quia
ab utroque differentia est 15. Si ponatur in medio 16 erit armonica
proportio sicut 10 16 40 ita in qua proportione se habet 40
ad 10 scilicet in quadrupla ita se habet differentia inter 40 et 16 scilicet



24 ad differentiam que est inter 16 et 10 / scilicet ad 6 24
est quadruplum ad 6 / ¶ Geometrica est si po-
natur 1 medio 20 ita sic 40 est dupla ad 20 ita
20 ad 10 etc.

Post de tribus mediis famosis et antiquis / dicendum est
de aliis septem quas ponit in arismetica
ut patet 2 Jordanus [illegible] fuit compilatus pi-
tagore et archite et aliis philosophis / ¶ Prima istarum medietatum
est prima [illegible] est contra armonicam et est quando
in pluribus terminis propositis inter se sic se habent 3 2 6 / ita quod
ad minorem sic se habet maximus ad minimum / ¶ Sicut differentia que est
inter minimum et medium ad differentiam que est inter medium et
maximum sic 6 est duplum ad 3 ita differentia inter 3 et 2
scilicet 1 est duplum ad differentiam inter 6 et 2 scilicet ad 4 / ¶ Secunda
medietas est quando tribus terminis propositis ut pluribus non sunt
eedem differentie nec eedem proportiones sed quemadmodum se habet medius
terminus ad minimum ita se habet differentia que est inter medium et
minimum ad differentiam que est inter medium et maximum ut 2 4 5
ita sic se habent 2 ad 4 quia 4 est dupla duorum ita
[illegible] inter 2 et 4 est dupla [illegible] que est inter
4 et 5 [illegible] medietas contraria medietati et geometrice / ¶ Tertia
medietas est quando tribus terminis propositis ut pluribus inter
eos non sunt eedem proportiones nec differentie sed sic se habet
[illegible] maior terminus ad medium ita se habet differentia
[illegible] ad differentiam [illegible] ut hic 4 2 6 ita sic 6 est
ad 4 ita [illegible] ad 2 que est inter 4 et 6 / ¶ Septima
medietas est quando tribus terminis propositis ut pluribus non sunt eedem
differentie nec proportiones sed sic se habet maximus terminus ad minimum sic
differentia maioris et minimi ad differentiam medii et minimi ut
hic 6 8 9 / ita sic se habet 9 ad 6 quia sesquialtera est ita
se habent 3 que sunt inter 9 et 6 ad 2 que sunt in-
ter 8 et 8 / ¶ Quarta medietas est quando propositis tribus terminis
sic se habent extremi [illegible] sic differentia inter duos
extremos ad differentiam que est inter medium et [illegible] ut
[illegible] ita sic 9 est sesquialtera ad 6 / ita 3 que sunt inter
9 et 6 ad 2 que sunt inter sesquialtera [illegible] / ¶ Nona

medietas est quando proportio duobus terminis que est proportio medii ad minimum eadem est proportio differentie proportione inter duos extremos ad differentiam proportionis inter medium et brevem ut hic 4 6 7 ¶ Nam 6 sex est sexquialtera ad 4 ita differentia inter 4 et 7 est sexquialtera ad 2 quod est inter 6 et 4 ¶ Decima medietas est tribus terminis proportio quo se habet medium ad minimum eadem se habet differentia inter duos extremos ad differentiam que est inter medium et minimum ut hic 3 5 8 ¶ Nam quinarius est superbipartiens ad ternarium et quinque quod fit inter 3 et 8 fit superbipartiens ad tres quae fit inter 2 et 8 ¶ De omnibus his medietatibus patet in hac figura

4 6 7

3 5 8

Restat de maxima et perfectissima proportione dicere que in tribus terminis et 4 terminis in eodem constituta ¶ Et dicitur hec maxima medietas et perfectissima quia in terminis eius omnes alie medietates antique et famose reperiuntur ¶ Et in illa etiam omnes proportiones simplices et composite sunt in eadem proportione sunt in his 4 terminis 6 8 9 12 ¶ Nam si comparemus 12 ad 9 et 9 ad 6 erit arismetica medietas quia eadem est differentia inter eos scilicet 3 ¶ Item si comparemus 12 ad 8 et 8 ad 6 erit medietas armonica quia est proportio 12 ad 6 eadem est proportio excessus 12 ad 8 ad excessum 8 super 6 ¶ Item ibi est proportio musica in proportione que est 12 ad 8 et 9 ad 6 est proportio que vocatur diapente que consistit in proportione sexquialtera ¶ Item in proportione que est 12 ad 6 consistit diapason que est proportio dupla ¶ Item in proportione que est 9 ad 8 est tonus que est sexquioctava ¶ Item inter 6 et 8 et 9 et 12 est proportio diatessaron que consistit in sexquitertia ¶ Et omnes iste proportiones

Arisca	pa	1	2	3
Geoa	2	1	2	4
Armoa	3	3	4	6
Ca arce	4	3	5	6
3a geoce	5	2	4	5
Contraria	6	1	4	6
Media pa	7	6	8	9
Media 2a	8	6	6	9
Media 3a	9	4	6	7
Media 4a	10	3	5	8

natae sunt simplices. Ex quo apparet quod ista metas vero mapria et pfassia appellatur. Certia est ibi medietas geometrica sicut patet in 6 ad 9 ita 8 ad 12 et in proportione sexqualtera etc.

Explicit arismetica secundum aliquos est vnum et cor[rigendum?] musice boecii et secundum alios arismetica Jordani

Musica

Sicut bestialium voluptatum per quas gustus et tactus suis inficiunt impe[...]tibus intellectum dicitur (Nicomachus) consto[...] vituperant excessus quod acolunt [...] ethicorum. Tertia quidem bestiales vita[...] pecudum eligentes dicit philosophus hic visus et auditus que purior et amplior est ministerii commoditate intellectui subseruiunt ordinata et moderate digna oblectatione ta[...] ut vero ex libro ethicorum desponit reperato genus autem ad sanitatem aut bona habitudine sub ratione ad moderatem ut decet. Verum et nullo super auditum la[...] segnius moderatum cognoscere nos facit et multas [...] eo quod maxime cognoscere nos ondit [...] opportunam teste [...] vero nos ondit [...] subtilitate composita et omo sonii [...] artificium subtilitate [...] auditus ad [...] dulcissimas auditui iocundita[...] [...] labores quos tot adducunt et pro [...] opum labores quos [...] non potest continue [...] tollerare nam honestissime [...] beneficium [...] et volunt [...] forsitan poete [...] vlixes [...] super aplis [...] symphonia optimam esse dedicit [...] polit. [...] dicit [...] gaudentibus hominibus congregatis super [...] auditui [...] efficatia symphonia [...] nos apetitus elegande docuit boecii ad diuersa [...] gradientes soni armonica [...] elegandi docuit boetius in prologo sic [...] [...] cum affectione cui [...] fuit [...] ibidem. Etiam [...] poteri [...] esse [...] cum omnibus politi[...] ad bona moderata musica [...]

simphonia

quia est dictus liber antiquorum philosophorum [illegible] de musica. Sed
et de certis mathematicis conclusionibus non loquitur, et obliquum audien-
tes tempus [illegible] aut nimis difficiles abhorreri.
Visum est mihi bonum ut communis Boetii quam secundum vi-
res mihi adeo datas aliqualiter intellexi compendium tamen
breve elicere, in quo conclusiones quamplurimas et theoremata
volo exponere essentialiores ad primum artis musice perti-
nentes, et tum sermonis claritate et evidentia sententie ma-

[O]mnem doctrinam et [illegible] manifestare conabor.
omnem disciplinam ex preexistenti cognitione fieri [illegible]
[illegible] sententia non alia invenimus. Experientie mul-
tiplicia et [illegible] status accessorum experientia ita res simplices
cognoscere facit. Pythagoram nobis artem tradidisse ponamus. Anti-
quis Pythagoras prioris [illegible] [illegible] [illegible] tunc [illegible]
tempore diu [illegible] [illegible] obedivit sic ut [illegible] [illegible] se-
[illegible] [illegible]. Voces quippe aurium iudicio secundum consonan-
tiam ad [illegible]. Tum quia non sic animus [illegible] complexionis qualis-
cunque mutari dispositionibus varietate [illegible] [illegible] iudicat de
auditu. Tum quia et si auribus disposita ad ea que
contingunt circa sonum et sonorum consonantias [illegible] [illegible]
non fallacia. Tum de proportione sonorum discretione non est [illegible]
[illegible] magis [illegible] [illegible] [illegible] [illegible] in [illegible] eo quod [illegible]
in consonantia et in consulta mediocris fidei [illegible] [illegible]
firmas estimabat ut [illegible] [illegible] acri [illegible] irre-
[illegible] [illegible] [illegible] [illegible] auditu consonantiis. Ita si
nullus esset auditus [illegible] animo de vocibus [illegible] dubi-
tavisset [illegible] quasi quodam [illegible] de [illegible] [illegible]
ac si consonantiis ut armoniarum officio famulus
sit auditus. [illegible] ac [illegible] [illegible] sit au-
ditus [illegible] [illegible] [illegible] prima [illegible] [illegible] sci-
entia et doctrina apud se et ordinet [illegible]
[illegible] [illegible] nullus alia [illegible] [illegible] [illegible]
Pythagoras [illegible] [illegible] [illegible] manes quodam ca-
su de melodia [illegible] [illegible] qui [illegible] [illegible] [illegible]
[illegible] iuxta fabrorum officinas [illegible] [illegible] [illegible]

tractatus 2us
capitulum primum
ibi ubi se[illegible]

ipse metallicis tinniolucis quosdam malleos super incudem
ferientes inhabilem armoniam emittentes iam qui attonitus
expandit et stetit ad se ex intimo animatione attrahit
ut quod diu quesiverat inspiceret | ad malleos est cursus
qui absque dubio [illegible] concordancia tertia quadam modo ad animis
ad se attingit fore | hominibus quod more solito salutatis
attentius intueret armoniam malleos [illegible] sic
fuerat variatis inquisitorum dubitasque ne [illegible]
tata melodia preterit iussit mutare [illegible] inmutabilem ita
malleos singulos permutari quibus aliunde reddunt eam
~~eam~~ symphoniam sic prius / Eoque adduxit non
in lacertis videret sed in natura malleorum eas concordancias
contineri tamen [illegible] quod inerque quod pondere [illegible] / Unus
autem malleorum erat [illegible] / sed quintus forte circuitus
quem sic [illegible] compositis cunctis dissonabat | de dit-
tum circuitus [illegible] dissonancias consonancias in-
dicavit / Itaque oppositum [illegible] sic [illegible] peiora et me-
liora [illegible] videt / Considerat quod ponderibus [illegible]
diapason sesquialtera sesquitercia sesquioctava proportione [illegible]
repta fuit / [illegible] hanc experienciam [illegible] domo sua
instrumentorum [illegible] foramina a [illegible]
ac tabulas [illegible] tintinnabulis [illegible] instancia
[illegible] est [illegible] et fuit [illegible] mete [illegible]
[illegible] in hac experiencia [illegible] per [illegible] proportiones
[illegible] experiencias [illegible] ductus diversis modis variis [illegible]
[illegible] quod si in natura rerum [illegible] experiencia [illegible] in
experiencia [illegible] ad theoricam [illegible]
traxit [illegible] quod fuit in [illegible] arte et sic musicalis
[illegible] proportionum [illegible] dedicatum

[illegible] simphonia

theorema primum

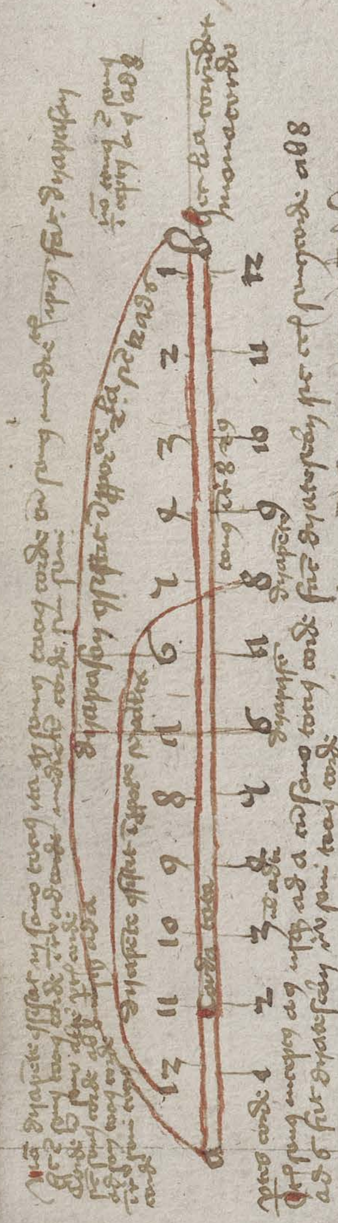
Subiunge enim [illegible] Pythagoras sonorum
consonancias proporciones ponderis [illegible] in
[illegible] quibus [illegible] primo deberet [illegible] 12
9 8 6 ponderum malleorum [illegible] qui 12 ponderabat
ad eum qui erat 6 ponderis et [illegible] qui erat 12
ad eum qui [illegible] in proportione [illegible] armonias

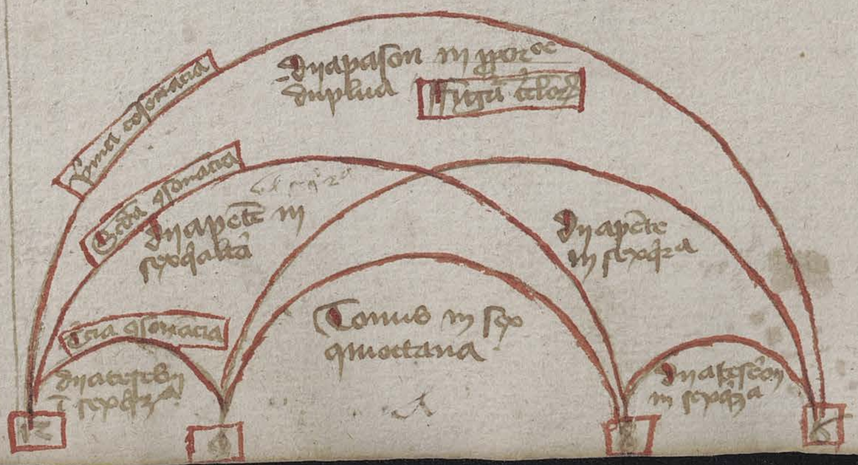
dupla erat

[illegible marginal gloss]

ermittebat quod non 8 ad 6 eandem simphoniam / sed qui 12 ad 8 i. sexqualtera videbat concordiam / qui non ex 9 ad 6 consonanciam sorbat eandem / Et qui 9 ad 8 i. sexquioctava proporcione canebat / Hec fuit prima huius artis et illius figura.

In 3° armonicas species et sonantes auctor ne consonancias innabiles fecit in ibus inscitas et non ... perpendi quod consonancie antiquis temporibus apparuerunt tunc autem primo ordinem solverunt Pitagoras sed fuit prius aut post parcioes suas sapiencia docuit / sed post plures quas nunc volunt includere. Nunc movit prosequendo tertium usque ad nos huius temporis nostri ceperunt / Et dyapason que concordancia fuit dupla ut 12 ad 6 / Dyapente que sexqualtera ait armonia ut 12 ad 8 et 9 ad 6 / Dyatesseron quod sexquitercia videtur simphoniam ut 12 ad 9 et 8 ad 6 / Tonus quidem in sexquioctava ut 9 ad 8 non est consonancia sed pars eius / Hec omnia confirmat ... consonancie racionem quam assignat boecius et tale / Consonancia est dissimilium inter se vocum in unum redacta concordia / Vel consonancia est acuti soni gravis que mixtura suaviter uniformiter auribus accidens / Hec autem distinctio predictis tribus consonanciis competit et non tono / Inquo autem fit auribus ... quod fit modo sibi pertingit ... 3es armonie dicuntur perfecte consonancie et non tonus / Dicuntur autem iste consonancie liberis sermonibus potius quam aliis nominantur / ... sed ex ... dictionibus et non de vocabulis proprio fiat in arte / Admittendo autem ... et quod qui in ... gaudent ... in corpore facit spiritum / Et dyapason dicitur a dya quod est duo et pason sonus quia huius dupla soni vel a dya quod est de et pan totum quia totum ... gravius tonus eius ... infra ipsam complectitur / et quod quidam est potius ... pt dicitur / Sed dyapente i. concordia dicitur de 5 vocibus / Dyatesseron vero dicitur de 4 vocibus ut in sequentibus clarius apparebit / Tonus autem dicitur a tonando i. sonando nisi cum sonaret ... audiret





et ea aliquantulum que dicta sunt subiecta de superpto manifestat

Has tres melodias modos dare claritates hec figura q[ue] consonanciarum in musica prestat omnia quinta et omnes q[ui]ntas omnis et continet an solute ... optimus ... tota musica nota fiet ... figura qui ... appellari aqua ... plus latitat ... satis ... et ... nobilitas ... considerati ... et ... ab ea ... potest ... continua ... condita ... aut ... figurata ... dicit ... consonancia ... considerata ... tab ... qui ... si non credit ad opp[ro]ientia erat et ... omni ambi ... figure ... remota ... sequitur ... musica ... sigillatim

Theorema

Que dyapente sonat dyapason ... superpartientis proporcio superparticularis minor ... proporcione multiplici ... continet ... ut bis vel ter vel quater ... Quod superparticularis continet bis ... sed ... aliqua sui parte ut tertia ... augendo ... proporciones ... consonancia dyapente ... proporcione ... et fit dyapason ... dyapente superparticularis ad dyapason ... dyapason ... Item aut ... multiplicis augmentum ... Species aut superparticularis ... et si se ... continet ... et distincte ... patet in hac figura ... speciali ... considerati patebit

figura 15



In hac figura arcus sinistre unitas sunt ... augmento et diminuto usque in infinitum multo situatur. Ita multi- plicem additionem ... superparticularis ... Et aut prima species multiplicis i. dupla ... prima species superparticularis i. sexquialtera ... species multiplicis ... tripla ...

Regula de additione [illegible]
[illegible] ambe [illegible] terminos et multiplicare [illegible] [illegible] alteri [illegible]



108
[illegible] 12 [illegible] 96
96

Qui ex sedes [illegible] 3 am [illegible] semper et [illegible] est multiplex [illegible] minoris. Et sigla continet est excessio [illegible] [illegible] super quam [illegible] superparticulare et duas continet [illegible]

Octavum theorema

Est in plus diapente quam diatesseron [illegible] et [illegible] diapente super diatesseron [illegible] quanto denominatio alicuius [illegible] maior est tanto [illegible] minor et [illegible] una [illegible] denominat denominationibus et una [illegible] a duobus [illegible] maior [illegible] denominato [illegible] duorum [illegible] una [illegible] minor qua una [illegible] modo [illegible] diatesseron qua diapente sit in [illegible] superparticularis [illegible] in [illegible] alteram et in [illegible] tria [illegible] [illegible] et denominato [illegible] in qua est diatesseron maior est qua denominato [illegible] in qua [illegible] diapente [illegible] et [illegible] diapente qua diatesseron [illegible] [illegible]

Et diatesseron tunc veluti unam resonat [illegible] diatesseron [illegible] [illegible] consonantia [illegible] in [illegible] [illegible] [illegible] sunt note [illegible] [illegible] [illegible] ut [illegible] et diapente [illegible] diapason [illegible] et [illegible] diatesseron [illegible] [illegible] diatesseron et [illegible] [illegible] minore [illegible] maiore et [illegible] [illegible] est maior minore [illegible] [illegible] concludendum diapason [illegible] maiore aliis diatesseron [illegible]

Et diapason [illegible] diapente et diatesseron [illegible] [illegible] diapente [illegible] diatesseron [illegible] diapason [illegible] Omnis [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] qui ad alium [illegible] [illegible] [illegible] et [illegible] [illegible] ad [illegible] duplex ut si 9 qui [illegible] ad 6 [illegible] qui [illegible] 12 qui [illegible] duplex ad 6 [illegible] [illegible] [illegible] [illegible] diapente [illegible] diatesseron in [illegible] [illegible] [illegible] [illegible] diapason que in [illegible] [illegible] Et diatesseron a [illegible] tonus [illegible] et diapente [illegible] tonus [illegible] [illegible] qua [illegible] [illegible] diapente in [illegible] [illegible] [illegible] maior [illegible] una [illegible] et una [illegible] inter 8 et [illegible] est [illegible] inter 9 et 12 [illegible] qua [illegible] [illegible] 9 [illegible] 8 et [illegible] [illegible] et [illegible] et [illegible] [illegible] ut [illegible] [illegible] [illegible]



[illegible] [illegible] [illegible] ad se [illegible] [illegible]

Hac pporcoe ad inbicē ta in grue pl̄iti & in ppe
spēru. Solu hoc cōparatio qȝ quodā dimo mīte forū
vna sit nobilz & dī spē sonig figulis & hac
figura ꝑ dyatesseron et sexqialtā ppor supare tonu
appone sexqialtn adnapelt̄ i cū sexqialtra pporcoe ut
in nūis 12 16 18 · ꝗ digniū & uniore spalaui ꝑ ꝗ ...

Nō . paes nō posse tonū mediare i tonū p
mediū appāle tonus ꝗ in ppore sexqi8na ...
ꝗ patz ꝑ figurā tulorꝗ qit̄e ꝑ repīt in hiis nūis
8 9 . Sz cū nō sit int̄ eos medius nūs integ8 16
augeat̄ pmu augetur eqlz nūi abinuico sit oriu ut
in figura ... scribunt̄ similiter 16 z 18 int̄ quos ...
manet tonus vna 17 ansi ... quod si duo pmi
d ... pporoe sc̄ limites pend̄ nūi augeatur ...
... in cad ppore manebit. Cū aut int̄ 16
et 18 qui tonū fant cadt nūs integ 17 ...
compat̄ ad optima sit v̄z semitoniū ... Compate
17 ad 16 pporō facit sexqidecimā compat̄ aut̄ 18 ad 16 ...
18 pporō nō reddt eam ... sexqiaa ... sic erit ...
semitonium ... dicit pporō cad ... ppoitu ...
ꝗ ppore sexqi16 ... sexq... 17 poss̄ ... semi-
tonium ... toni mediu ... in ppore sexqi16 ... qui ...
17 in cad pporoe ... mediū toni ... 18 ...
vna 16 Si ... a 16 ... 17 sit toni medietas ... a
17 usqȝ ad 18 ... vna 16 ... pporoe ...
... ad ult̄ a 16 i 18 cū vna 16 tonus erit ...
... et ... solu 18 ad 16 fit tonus
fuit itaqȝ sexqi16 ... Sz ... pporō ...
quā nō sit ... toni medius ... Si pte 17 ad 18 ...
tonium reddm ... sexqi... pporō ... inagmens
cad pporoe 18 ... et iste ... 19 ...
... ad z Si 17 ad 19 ... 17 tonus ...
... impossibile ... 17 ... ad 19 ad vna 8 ...
... facit tonu. Cū ... maior sit vna 8ua ...
... 17 ... pporō sexqi... v̄o tono medio
... de 212 Et ... ad 289 ...
... 16 z 11 ...
... 16 ꝑ 11 in sexdecimas

... manet 18 ... vna ... d' 306. Et ... 18 ad 17 ... ad 3m
... ad 19 ... vna 8ua ... 17 in ... Et ... multiplicet 17 et 19 ... 8 et venient ... 18
136 8ue ... 17 172 ... adaz ... vna ... et erit ... ad 136 ...
... tonus ... 17 a subtrahendo unum ab alio in residuo manet 17 ꝗ sunt vna 8ua de 136

Right-hand margin notes:

... una ... tonus ... cōparatio ...

12	18	216	pducta
12	16	192	pducta

Si pte 17 ad 16 cōparatur facit tonū mediū

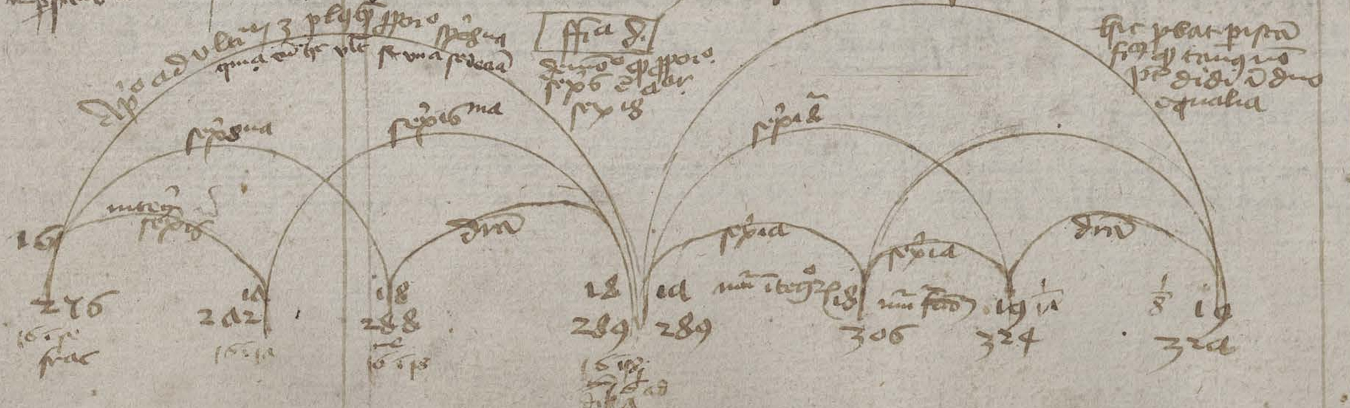
... 19 ...

Cū si pte 17 ... 18 ... 306 ... 19 in eadem et ... 323 ...

Cū si pte 17 ad 17 ...

fuit non est tonus medietas nec 12 nec 16. sed me-
dias duas deberet et medietas utrumque sicut ~~est ma-~~
~~ioris~~ Sequitur aliud capitulum.

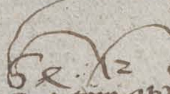
Amplius nulla habitudo superparticularis pot-
test dividi per medium [illegible] medium proporcionale
sicut in proporcione geometrica quod patet in singulis in-
ducendo. nam inter 12 et 8 est proporcio superparticularis sesqui-
altera que quia est [illegible] eiusdem generis [illegible] inter
illas nulla erit medium. nam si sumatur 10 sesquiquarta
est ad 8 sed ad 10 non erit 12 sesquiquarta sed sesquiquinta ut
videtur in figura quia [illegible] sed 10 non est me-
dius inter eas et patet aliud. nam omne medium proporcionale
est radix extremorum [illegible] ductorum sed [illegible] nec habitudo
superparticularis habet radicem [illegible] nec habitudo superparticularis
habet medium sed tonus est in habitudine superparticulari
sesquioctava [illegible] qui querit tonum per
equalia mediare querit dyametrum quadrati [illegible]
coste quod est impossibile [illegible] simile declarat
racio sicut dyameter et [illegible] costa [illegible]
duabus [illegible] proporcione quam [illegible] commen-
surabile. sic proporcio toni ad [illegible] proporcionem sesqui-
16 et [illegible] duabus sesqui 16 18 et ad [illegible] proporcionem
sesquialtera et [illegible] duabus sesquialteris. nam proporcio quam
[illegible] quod patet per numeros inducendo
quare [illegible] in figura [illegible] declaratur in figura octava
sed semitonus et duo toni in dyatesseron [illegible]
omni proporcione sesquitertia [illegible] due sesquioctave commen-
sed [illegible] non est [illegible] ut [illegible] dya-
tesseron sit in proporcione sesquitertia patet figura [illegible]
in dyatesseron sunt due sesquioctave proporciones [illegible]
et non completa et duo toni cum uno non
completo [illegible] appellatur
semitonium [illegible] quod est dimidium

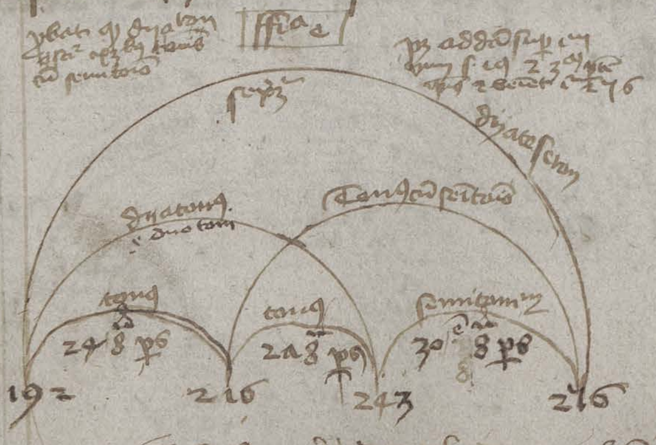


Et asserimus quid quod in proporcione sexquioctava quamvis sit predicta diatessaron sunt due sexquioctave proporciones complete et una incompleta sic ostendo sint in proporcione sexquitercia isti duo numeri ut quidem 192 et 256 dico quod inter hos sunt due sexquioctave proporciones et una minor ita si super 192 sua octava pars addatur sua octava adiungatur exibit 243 [?] sexquioctava reddens proporcionem exibit 216 faciens proporcionem primam sexquioctavam tunc iterum pars sua octava adiungatur exibit 243 sexquioctava reddens proporcionem sed si super 243 eius octava pars iterum copuletur non exibit 276 sed plus 256 que quarta eius tantum noto quod inter 243 et inter 256 non sit proporcio integra sexquioctava relinquitur quod huius aliud diatessaron duos tonos integros et unum imperfectum continet

Ista predicta sunt duo numeri in quibus sic ut ostendi et ... ubi invenies talis racione ut invenias ut scias quot tonos continemus et quot quartas sexquioctavas proporciones intra tantum octuplices distantes ... octuplo ... quod distat ab unitate in locis ... ut sciatur quot proporciones sexquioctave quas inquiris ut si ... ad quartas ... a 2 8 ... 64 ... 3 ... minimas ... sunt duo termini continui 64 et 72 et 81 ... sexquitercia ... exibit diatessaron ... super 64 sua tercia pars addatur ... 192 ... 256 ... sunt duo toni continui sic prius et cetera ... diapente toni 3 et semis duo tonos ... sexquialtera

est proporcio diatessaron continens duobus tonis et semitonio pro integro ... diatessaron ... diapente tonum ... diatessaron ... tonis et uno semitonio completo ... diatessaron ... semitonia ... tonis ... diapason constat continens duobus tonis et uno semitonio ... diapente ... tonis et uno semitonio ... diatessaron ... diapente et diatessaron ... diapason ... tonis et duo ... semitonia integraliter ... tonis ... modum ... per ...





l⁹ tractatus et habet 9 capitula ut theorica

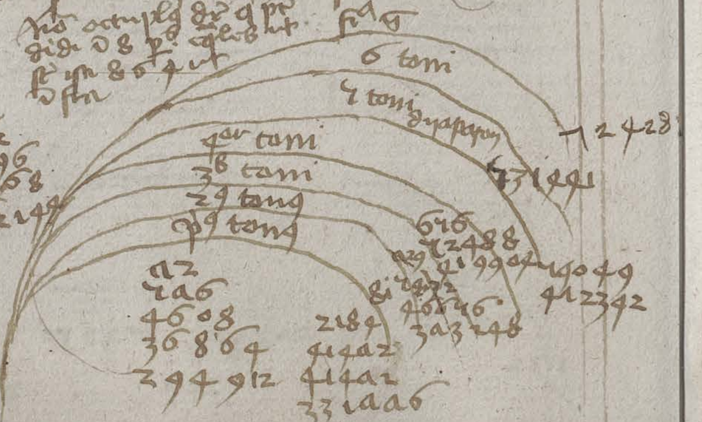
uero toni quales sunt partes sunt maiores semitonio
atque esse impossibile semitonium visum est pariter igitur
semitonium est equa pars toni quia igitur nec pars media
que non pertinet ... sed non potest esse pars media ... non
media constituit aliter pars vnius toni quam ... et tamen vna
pars sola toni non constituat integros ... in tono sunt
due partes scilicet altera maior et altera minor ... quia
tamen ... diuidi in duo semitonia maius et minus semitonium
dicitur ... 9⁰ ... Et quod semitonium minus in
numeris reperiendum dyatesseron ... quia ... duobus qui ... remanet
semitonium ... quid sit ... pars toni ... ut in
... inter quos ... semitonium minus in
dyatessaron sunt 243 256 quorum differentia est 13 ... faciunt semi-
tonium et ... duplatur ... tonus non attingit ... vnde
... media parte toni ... duplatur
13 ... 26 qui additus super 243 reddit 269 qui ad
243 ... tonum non complet ... additur ... pars
243 sibi ... 243 et 30 ...
... toni ... pars toni ... est
⁋ Amplius ... medietas non
est ... et ... parte sit ... 16 ... 13 toni
... ad 243 minor pars ... 16 ... et ...
... 243 ... minus
et ... 18 ... 243 ... minus
... 13 ad 243 sit ... pars ...
... 13 ad 243 ... minus ... toni
... minus semitonium medium
Secundo tonos dyapason non dare plenos ...
... inter ... octauam
in ... octuplo sunt in ... figura
... dupla octupla ...
... et ita de aliis usque ad
... et ... sex toni continui ... si supra-
... dyapason ...
... 724288 qui ... est ...
qui ... faciebat ... 731441 quorum differentia ...
... in quo sex toni sunt maiores dyapason quod ...
... constat ...

·s· figura ·g·

A pars sui adiecta surget 29 tonus cui octaua

... in dyapason duo semitonia ... ponunt ... toni

	1
p⁹	8
2⁹	64
3⁹	512
4⁹	4096
5⁹	32768
6⁹	262144

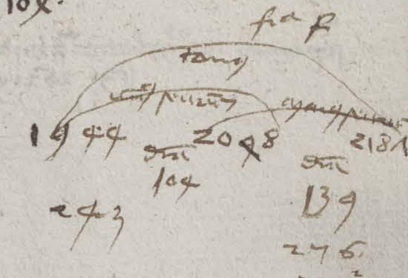


104

thonis 1 z duobus [illegible] semitoniis pp9 et ista
sectoria dico [illegible] cum sit centu [illegible] diate
sex thonos [illegible] tonu unus aliud no [illegible] sex ton
plete reddunt tonos tunc [illegible] z 1 sit bra
et ultu tu dyaton dyapente et dyatessaron applicata
2° ia sectoria que sunt in hus duabus [illegible]
[illegible] immediata in semitoni maius [illegible]
[illegible] mediata z p [illegible] nun
sit 243 et 256 inequos semitonio [illegible] et [illegible]
[illegible] sit notu q [illegible] in musica [illegible]
[illegible] 1 [illegible] quelibet sit in mu
sica [illegible] 3° [illegible] sup 243 sui [illegible] ad
[illegible] tonu reddit [illegible] tunc dui ad 256
[illegible] ad [illegible] iam onsun sit 2176 ad
243 sectoriu [illegible] 243 [illegible] no [illegible]
[illegible] reddit [illegible]
[illegible] inequos z unus semitoniu [illegible]
[illegible] sup 1944 21 [illegible] addar [illegible] 2 [illegible]
[illegible] tonu tunc [illegible] ad 2048 [illegible]
[illegible] [illegible] 2048 et 1944
[illegible] [illegible] aplius no [illegible]
maius semitoniu aplius no [illegible]
q aut [illegible] sunt [illegible]
[illegible] tonis [illegible] et [illegible]
[illegible] modi sup [illegible] z [illegible]
includit duos tonos tu semitonia [illegible] ad [illegible] sit
unus semitoniu sic no reddit tonu si duple [illegible]
[illegible] sit [illegible] dyatessaron et dyapente
Sz dyapente no [illegible] semitonia [illegible] dyatessaron [illegible] no [illegible]
[illegible] in tonos [illegible] dyatessaron amplecti [illegible]
tonos et duo semitonia [illegible] sit [illegible]
dyapason no complet 6 tonos [illegible] immediata [illegible] ista
duo sectoria [illegible] dyatessaron unus semitoni [illegible]
Pt toni [illegible] p [illegible] tonus [illegible]
[illegible] [illegible] dyatessaron
quos [illegible] tonos [illegible] tonos [illegible] tonos [illegible]
duobus semitoniis [illegible] amplius
[illegible] qui [illegible] fallit [illegible]
[illegible] sup [illegible]
[illegible] sua [illegible] addar [illegible] dyatessaron [illegible]

Margin notes (left): tono; figuz 5; [illegible]; nu9; 7° [illegible]; Sz; Pt; 2a [illegible]

Margin notes (right):
Tonu semitoniu [illegible]
sz [illegible] toni [illegible]
sex [illegible] tonos [illegible]
[illegible]
2187 [illegible]
Sz equo
et erit 1944 augeti 1 [illegible]
256 [illegible] 2048
1 [illegible] et z 10 [illegible]

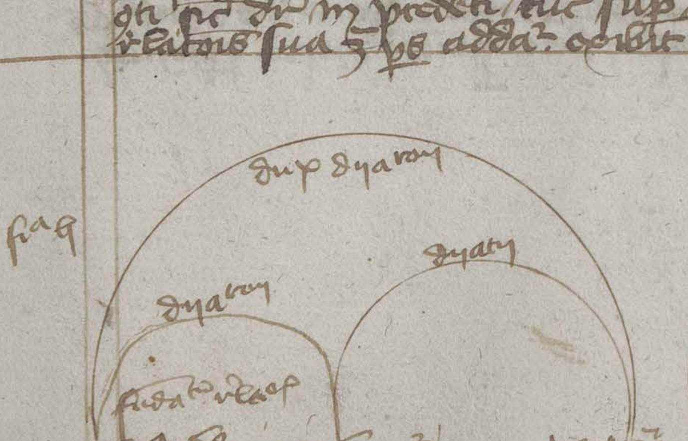


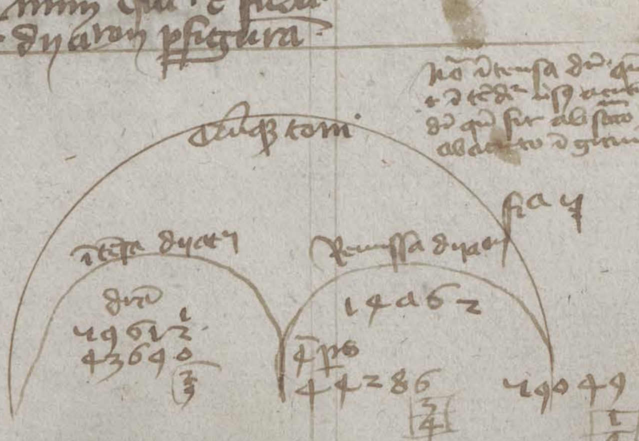
243
256

dyapente

2 dyapente sunt [illegible] et 1 [illegible] z 1 dyapente z 1 [illegible] z 1 dyatessaron [illegible]

Duplata aut bis supta igi nullu tonu integrat nec tonu reddit





tulor[um] sup[er] q[uod] item p[ro]ductu[m] sui [et] p[er] se adiungat[ur] ad ea[m]
eu[m] c[on]ptebit ster a[d] d[e] dya[tessaron] g[ra]t[i]a p[ri]mo ad ult[imu]m et bis
dyap[ason] r[espectu] copie iste ultim[us] n[on] faciet ad p[r]i[m]u[m] bis dyap[ason]
ad ult[imu]m [illegible] sufficiet [illegible] toni et est br[evi]or [n]um[er]us qui
bis dyap[ason] [illegible] q[uam] [n]um[er]us fans q[ua]ntu[m] toni / g[rati]a[m] [illegible] dyap[ason] [illegible] ^bis
tenet q[ui]nq[ue] tonos / g[ra]t[i]a inde seq[ui]tur [illegible] ·sc[ilicet]·h·
Amplius [illegible] alie [illegible] interd[um] dyap[ason] et · 3ª ro
[illegible] [illegible] q[ui]nq[ue] to[n]is q[ua]rto [illegible] sup[er] [illegible]
[n]um[er]us [illegible] sui [illegible] p[er] dyap[ason] [et] intensa et si [illegible]
timo [illegible] toni [illegible] sui [illegible] dya[pason]
c[on]pebit d[i]missa / Si [illegible] duos dyap[ason] [illegible] q[ui]nq[ue] to[n]is
intensa [et] remissa [illegible] in eod[em] [n]um[er]o et [illegible] dya [illegible]
[illegible] et ita [illegible] dya [illegible] in figura q[uae] est [illegible]
Si [illegible] tonia [illegible] / Tonia [illegible] thro·6· nia
[illegible] [in] quo tonus sup[er]at duo semitonia [illegible] sui [illegible]
[illegible] to[n]is [illegible] mod[is] [illegible] dyap[ason] [illegible]
[illegible] tonia [illegible] tonia [illegible] dya int[er] tonos q[ui]nq[ue]
et duo tonia semitonia [illegible] dyap[ason] [illegible] mediatu[m]
et int[er] sex tonos [illegible] duo semitonia
toni [illegible] [illegible] in figura [illegible] duo [n]um[er]i 262144 · et 431441
[sex tonos c[on]tinuos c[om]plectu[n]tur [illegible] duo sc[ilicet]: 262144 · et] 124288 [illegible] dyap[ason] [illegible] [n]um[er]us dupl[ex] [illegible]
dya et [n]um[er]i 6 tono[rum] et [illegible] dyap[ason] [illegible] est
dya · [illegible] et [illegible] dya [et] duo[rum] mino[rum] semitonio[rum] ad totu[m] ‖mino[rum]
[illegible] [illegible] semitonia dya [illegible] et [illegible] dya
inter duo semitonia minora et tono [illegible] tonia [illegible]
[illegible] [illegible] [illegible] [illegible]
seq[ui]tur q[uod] [illegible] sit [illegible] ^sit n[ost]r[u]m
[illegible] 2a [illegible] semitonia toni integro
no[n] [illegible] maior semitonia toni integro
sup[er]are [illegible] semitoni[u]m [illegible] tonia [illegible]
[illegible] et [illegible] toni [illegible] duo semitonia
‖semito[n]i[um] minora cu[m] [illegible] toni [illegible] semito[n]i[um] [illegible]
[illegible] [illegible] semitoniu[m] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] ad [illegible]
[illegible] [illegible] semito[n]i[um] maius
[illegible] semito[n]i[um] maius [illegible] 20 [illegible] et [illegible]
[illegible] 19 ad 18 semito[n]i[um] [illegible] [illegible] duob[us] tonia-
lib[us] [illegible] toni maiore [et] sex tonalibus
mino[rum] [illegible] ^ que seq[ui]tur ad [illegible] thro^ma · ^
Dimponit [illegible] quadrupla p[ro]p[orti]o bis dyap[ason] co-
sonan[tia] dyapason sit c[on]p[ro]porc[io]e dupla [illegible]

cc doris 1ª bis dyapason ^est in bis dupla proporcione. Sed hec 2
sla 1ª pz patet / Quod pz in numeris 1 7 2 faciunt dyapason
i dupla faciunt 4 faciunt bis dyapason / sed 4 sit 4ª la
vini 9 quod bis dyapason sit in 4ª la proporcione ex numeris
cum dubitat si b ~~ad a~~ sit duplum ad a / et c du-
plum ad b quod c sit quadruplum ad a. Et sic fortis
bis dyapason, ita ter dyapason et quod complendum est con nd proporcionem
que sibi tamen non ponunt sed auditus ad iudicium de
sonis inter se et ^terminum veris ipsius est quod in-
audiret sit in aliis ... suo ... in c
ecd manet in tripla dyapason cum dyapente.

Quando quibus proporcionibus consonancie simplices ponantur /
iam in libro consimum vera dyapason, dupla dyapente
tri sexqualtera fore. Sed proporcio dupla et sexqualtera in-
ta fiunt triplam proporcionem ~~dyapason~~ 2 23 sexqualtera
quod pz in numeris 1 2 dupla reddit proporcionem dyapason
2 et 3 sexqualteram pz dyapente sed 3 ad unum tripla quod dyapason
cum dyapente inita tripla fiunt proporcionem. Sequitur leviter
in bem bis dyapason cum dyapente / ita breviter omnes consonancie
super dyapason non 2 si repetico earum quod infra dyapason
contentre sunt et fiunt ibi toni cum semitoniis
sicut sic post ut videbitur cum de conparacione eorum
simplices quod compositis ac etiam partes et parvi partes
... date peteris ... in monocordo / nulla
fit armonia dyapason et dyapason / pitagorica voluntas
dyapason cum dyapason sanat bona armonia eo quod in
dulcedine ut suavius venit ad auditum ^ quales in
bene ... ac quod ... et super ...
... ... in ... quibus ...
ut pz ... ... sit ... -
... et super pz ... proporcione 2ª ... dya-
pason ... cum ... sexqui ... dya... fore
... proporcio 2ª la superbipartiens ... ... in figura ...
~~... et~~ figura 3 et 8 dat dyapason 6 7 8 dyapason ...
... ... 3 z 8 in qua est dyapason cum dyapente ...
proporcio 2ª la super^tercias bipartiens uno solo distat tono ...
... ... sed ad dyapason cum dyapente. In hoc

^bis
3 ...
Theorica m... 8
Theorica 6
3 6 9
43 1991
... minor
^sit nam
... 3 9
^huius causa
3 6 8
2ª sed in figura b.
Theorica 1
^

aut tamen in quantum pitagorici concesserunt ex quo videtur

mixtio eorum quod dyatessaron intensa super quod interdum dyapente non

sit consonantia sicut cum dyapente intensa super dyatessaron. Medietas autem

licet utrisque sit dyapason in compositione. Ptolomeus non assentit

sed eos reprehendit asserens dyapason cum dyatessaron consonantiam

naturaliter esse bonam duas quas eos et 2 vice eius persi

eorum simpliciter dyapason continetur sicut et quod quod est super dyapason

ex vertis vel repetitis eorum quando dyapason continetur unde

quod vim nunc sonat videtur licet sit in duobus tunc cum

dyatessaron possit intendi infra dyapason vel et supra. Nec hoc

est magis quod sit in genere superparticulari sed Ptolomeum impugnat

eius quod est sed in dupla superparticulari ut in Boecio vel in in uno dicet

Nec Boetius in sua musica nec alii musici quos viderim habent quod non debeant sicut quod ille est quod non

unde dyatessaron cum dyapente vel cum dyapente sit consonantia quia

non est dubium quod dyapente optima sit et dulcior. Et ad

dico si concedit non est dyatessaron sit super dyapente anteceder

quod concessum est dyatessaron cum dyapente vel cum dyapente non consonantia

est quod nec super dyapason cum illi super dyatessaron cum dyapente

ponatur inter demandi consonantiam ex quo sunt ad inmodo

minus 2 et proxime est magis sicut pitagoricos quam

dimissos sed magis sonat dyatessaron per dyapente quam

respectu est comparando dyatessaron ad dyapente quam dyatessaron ut

comparatur 12 ad 8 quod ad 12 quam octo ad no-

vem quare dyatessaron post dyapente ab sic non erit dyapente

non erit dyatessaron sed erit alterum quam cum dya vel dya

pente dyatessaron in uno tono unde est nisi dyatessaron

in magis consonantia et tonus procedit et non

consonantia sed est eiusmodi sicut dico dyatessaron cum dyapente non

est consonantia ut pitagorici voluerunt sed propter eius quod

cum dyapente consonantia sed dico sicut dyapason non est quod

duabus consonantiis attuli cum dyatessaron et dyapente quibus dua

bus sequitur simpliciter est non pensi unde forte non

musici sed quod dicit Alcambalo in pulcris versibus

musicis quae est in habent sequenda sicut simpliciter consonantia

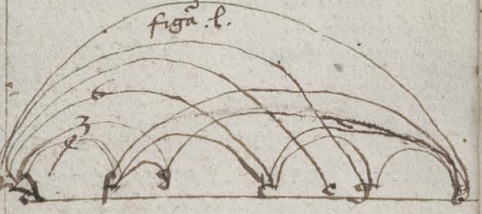
et co[m]parte app[er]t[ur] apponendo [de]m etia[m] subtrac[tio]ne co[n]tin-
ge[n]d[um] q[uod] p[er] titulos intueri in hac arte si[n]gula sit p[ar]a-
t[us] p[er] op[er]is b[ea]t[i] q[uam] [illegible] co[m]po[sitio]n[em] [s]pectator[em] eius co[n]sidera[n]te[m]
informat [et] disponit fu[tur]a ad i[n]ua[n]d[um] ut ego [illegible] co[n]so-
lep[er]it[us] doctrinis docto[rum] patru[m] gr[e]g[or]i[a]e d[iv]ina g[lori]o-
lanfic[a]te

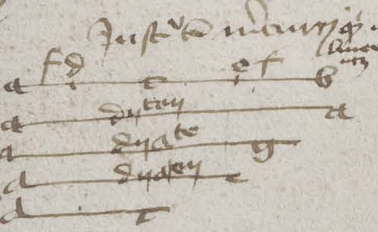
[ad sc[ie]ndam p[ar]tes g[ener]e [et] de divisione]

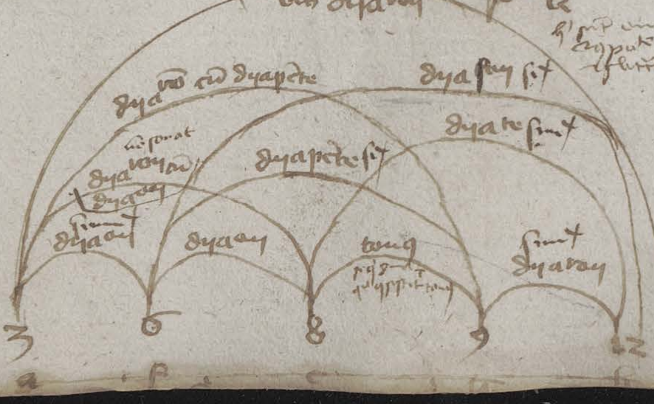
Consonantia[m] iuue[n]t accidentia quo omnis consona[n]tie etia[m]
vero p[ar]tes et p[ar]tes p[ro]pria de nota[n]t ac in s[e]c[un]d[u]m
de co[m]po[siti]one natio[rum] instru[mento]r[um] ac eo[rum] ge[ne]re [illegible]
inue[n]tor[um] sonorum maxima co[n]stat sed [de] co[n]so[n]a[n]tiis q[ue] [illegible]
armonie in plano de scol[is] vel armonia p[ar]te et p[ar]te
simplices d[icu]ntur dyapason dyapente [et] dyatesseron [illegible] re-
stat istas sup[er] data linea ut sup[er] assignato spacio figu-
rare sit a b data linea t[o]t[a] [illegible] sindatur ea
secta p[er] mediu[m] in puncto c dyapason [illegible] re[s]p[on]-
debit [illegible] a b dupla e ad a c s[ecun]da [illegible] a b
in p[ar]tes 3 [illegible] q[ue] erit ad d e [illegible] a d [illegible] sup[er] a b [illegible]
et dyapente forbit [illegible] ab ad ae [illegible] fiat [illegible]
[illegible] ab [illegible] [illegible] d[e]n[otan]da [illegible] a f f c e d [illegible]
[illegible] a [illegible] quatuo[r] ad b a b dya[tesseron] ad impleb[it] [illegible]
[illegible] fiat b f ad ab [illegible] ae ad ac [illegible] a
[illegible] e ad a [illegible] tonus [illegible] corda [illegible] ad [illegible]
[illegible] fiat plu[s] [illegible] et erit [illegible] corde
[illegible] et dispone [illegible] et dicit [illegible] ut sonent
[illegible] vel ut [illegible] consonantia
[illegible] 3 et [illegible] 4 [illegible] tu vel ut [illegible] [illegible]
indicare [illegible] [illegible] et [illegible] [illegible]
~~[illegible]~~ [illegible] sonorum consonantias [illegible]
[illegible] sonoro consona[n]tias [illegible] [illegible]
[illegible] fiunt nota et fiunt in-
[illegible] et [illegible] ex[em]pli[fi]ci [illegible]
[illegible] [illegible] [illegible] et postmo[dum] [illegible]
[illegible] ita [illegible] [illegible] consonantiarum [illegible]
[illegible] monocordo et cordas pla-
[illegible] [illegible] tonum vel acuta p[ar]-
[illegible] [illegible] tonum [illegible] p[ar]te acuta fore [illegible]
[illegible] primo volo [illegible] tonu[m] [illegible] p[ar]te acuta fore [illegible]
tonus b [illegible] in medio aliud tonu[m] qui sit dya[tesseron]
[illegible] dya[pason] [illegible] dya[tesseron] et
dya[pente] sit d[ic]ta tonus [illegible] e d b in acuta p[ar]te to-
nus a c in p[ar]te [illegible] sup[er] [illegible] dyapason in medio
a d f a [illegible] dya[tesseron] [illegible] [illegible] erit k [illegible] tonus

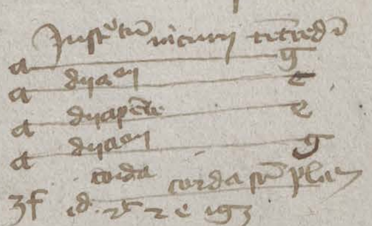
Margin notes, right: liber 29 | nu[mer]o 2. | dr [illegible] | 92 | 9o

Margin notes, left: theorem









Consonantia intendo est de sono quam acuitate facit et remisse & acuto facit concordem esse utrumque sicut sunt toni ut dicitur est et per haec habentur sicut diatessaron et diapente sesquialtera intendatur ut 6 8 . 6 9 inventum est tonus in acuta parte et quando ambo ab eadem parte remittantur invenitur in gravi ut 12 . 8 : 12 9 . et hoc est intendi contra ad graviorem descendendo ad acuitatem ascendit ut cum in consonantia proponitur sed eiusdem reddit una cum corda plus de gravi descendit concordi est et cum magis acuitate et cum plus de gravi descendit. i. plures modis acuitate & cum partes concordi et eadem proportione manet semper inde summa.

Maius seritatum quam sed maius habere ideo adacuta parte sicut per semitonium minus invenitur est a semitonio ad b diatessaron intenda / ab parte ad c diatessaron sit intensa / et ac ad remittam diapente / et ergo tonus d 6 . sit a d diatessaron intenda ad e / ergo ad f diapente remissa sit tonus quod erit d f sed ergo a 6 . sit intensa diatessaron 2 d 6 . et d f sit 2 tonus ergo a sit residuum 2 d minus semitonium apparet ad partem vero fiat ut sunt data ergo intendatur 2 tam quam ad et ad a g diatessaron remittam ad k et a k minus semitonium per valebit. Inventio igitur minori semitonio in parte gravi et acuta restat utrumque maius semitonium invenimus ad parte acuta / sicut 3 tonos continuos acutos intendo qui sunt a b . k r c d / deinde a acuta remittens diatessaron et sit a f / parte gravi quod prius dicta sunt et f minus semitonium / et d f et maius semitonium per partem singulare parte est / sicut semitonium intensum minus ad d et a d remittam tonus ad e / et a c maius semitonium in gravi parte reperitur et hoc patet in figura s. o. hic pono quod ut acutum comma dicto diacuta sicut habetur a b a sonus maius semitonium remittatur c est sunt c. a comma sed et minus sonum dicendo ad gravem sit / ab a sonus minus semitonium sit intensum a d / ad maius semitonium remissum sit ut ... a c comma in gravi parte reperitur ut in figura patet.

Hiis expeditis monocordum sive velut per predictis est ostendo per extremas consonantias quos quia tota consonantias contingit de parte utraque ad figuras ... quod multis placet magistri ... vitas quae est in inspectione ... ad audiendum vocis et audiendum consonantiae reducta est ... consonantia composita sunt ex ... tonis et semitonijs maioribus et minoribus aut ... ut ... ad ... monocordi ... sunt ... in parte compositione ... ad ... aliquam ... divisio monocordi ... ad ... vadit ... aut ... tonorum in

theorema

theorema

intenda per predicte ad b. a quod minus semitonium

sicut pr

theorema

2a tabula

3a tabula

divisio 2

prima tabula

[illegible] [illegible] et hec e dyatesseron Et [illegible] [illegible] ita ut [illegible]
[illegible] est [illegible] dyapason ad [illegible] dyapason reduci/ dyapason [illegible]
ad dyapente [illegible] dyatesseron dyapente aut dyatesseron [illegible]
[illegible] [illegible] maxima/ dyatesseron aut [illegible] consonancia
sed tamen [illegible] [illegible] [illegible] [illegible] musici [illegible]
[illegible] non [illegible] tetrocordi dyatesseron [illegible] [illegible]/ [illegible]
[illegible] duas cordas [illegible] [illegible] semitonium [illegible]/ [illegible]
dyatesseron sunt 2 toni et semitonium maius [illegible] 4 cordas dyatesseron
[illegible] cum corda [illegible] unum tamen et [illegible]
[illegible] ultra [illegible] pambulum est/ [illegible] tetrocordum [illegible]

2m pabulum

A [illegible] dyatesseron [illegible] tetrocordum [illegible] ut dimi[illegible]
[illegible] est quod ultra [illegible] tetrocordi [illegible]
[illegible] duobus tetrocordis erunt [illegible] 2 toni et unus semitonius
[illegible] 2o [illegible] [illegible] 4 toni [illegible] duobus semitoniis
et [illegible] [illegible] est [illegible]
cordi [illegible] 3 2e [illegible] tetrocordi/ [illegible]
ultram cordam [illegible] tetrocordi [illegible] corda [illegible]
[illegible] et [illegible] tetrocordum [illegible] ut [illegible]
[illegible] tetrocordum [illegible] corde [illegible]
[illegible] dyapason [illegible] tetrocorda [illegible]
[illegible] unus tonus [illegible] duo [illegible] [illegible]
et quo[illegible] [illegible] augmentari [illegible]

[illegible] ut aliquando ascendat per dyapente ad dyapason sicut A

3m pabulum

tetrocordi [illegible] 2 dyatesseron / 3um pambulum est de dim[illegible]
[illegible] cum [illegible] tonum [illegible] semitonio ut [illegible] est [illegible]
4 cordas apponeret [illegible] ultram [illegible] dyatesseron [illegible]
et appellaverunt hoc genus [illegible] dyatonicum Alii [illegible]
[illegible] dyatesseron [illegible] tetrocordum [illegible] primo [illegible]
[illegible] et 3um semitonium [illegible] 4 cordas apponendo [illegible] ad
ultram dyatesseron [illegible] Et hoc modo [illegible] [illegible]
Alii dyatesseron [illegible] in [illegible] [illegible] sonum [illegible]
[illegible] 2 tonos [illegible] 4 cordas [illegible] Et hoc genus [illegible]
enarmonicum [illegible] appellaverunt [illegible]

[illegible] F

e dyesi 2m

illud genus [illegible] 2 duobus tonis et [illegible]
generis melodiarum [illegible] figura signabo
Sed miror valde et nescio [illegible] [illegible] ubi
viget religio katholica fidelium in orbe terrarum in usu [illegible]
[illegible] Deo [illegible] melodiarum scilicet cromaticum et enarmonicum
Sed in genere diatonico [illegible] [illegible] qui invenerunt
[illegible] et [illegible] bene [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] modis/ [illegible] laudis
[illegible] et [illegible] [illegible]
[illegible]

p pabulum

[illegible] in qua parte orbis terrarum [illegible] angulis
[illegible]

regionem subaqua parte celi media latitat alia equat minus plus spinam usque

quam equale inclinatio varia hanum ad talem sint diminuta. sive enim quam aut

vix aut numquam vox humana in hiis duobus generibus gradatim vera

umquam ipsa desse ita esset post sicut polus equalitatis quia qua apud veteres

fuerunt tamen non dubito duo tamen impar [illegible] certa musica illorum

duorum modorum [illegible] in quarto genere diatonico sicut ut nos sumus. hoc autem

non ignoro quam possit diatessaron esse dicti in .i. certa [illegible] maiori et

[illegible] [illegible] comata sed hoc esset concede [illegible] insufficit in quo dependet

theorema — Nunc ergo genere tamen boetii monocordo. Certo igitur hoc tamen quam est in diatonico

tetrachordi genere sed in mediis variantur. Nulli est ex dubium [illegible] divisio

monocordo sicut diatonicum genus secundum esse alia qua divisio sit certe

1 monocordi in diatonico genere agendum est. Igitur tamen divisione

de divisione monocordi in diatonico quam aut tangi aut percutere nisi divisione aut linealiter

non ponitur nisi aut tangi aut [illegible] equales et cuius descriptio plane nota cordarum

notandi per [illegible] sequabo et cuius descriptio. plane nota cordarum

[illegible] consequenter et minus ad quas partes consonantiarum referuntur. Et quia

vult boetius quod longior corda plures partes et maius spatium obtinet binomi

corda longior [illegible] maior in attribuit consonum quam binomi

corde brevi in consonum acutum licet si equalis possit ergo longiores

corde brevi in consonum ... [illegible] ubi brevi in dat binomi vero plures motus

quam pauciores motus continet binomi sicut brevi in libro suo genere non fiat [illegible] [illegible]

ex quo plures motus sunt ut ipse. invenit in libro suo. monocordi diatonici secundum boetium

variatur. Sed ego pono dispositionem monocordi diatonici secundum boetium

quam non est nisi bis diapason quod ad partem minorem [illegible] non [illegible]

quam ei esse tertia est diapason. Et cum extenditur hoc quod bis

diapason consonant et eius consonantie sunt in certe. Ergo non

stat nisi sequenda supplendo defectus consonantie in ea clausura videtur

bis monocordum in genere diatonico secundum boetium figura

theorema — Sed monocordale pono libere [illegible] iuxta [illegible] quod dat

boetius de monocordo sive dispositio volo [illegible] divisio monocordi

solam secundum mutando cordulas eius [illegible] quia manibus

tamen quod [illegible] vigent [illegible] sunt [illegible] [illegible] et [illegible] tamen

[illegible] placere et auditum quam antiquis subtilitata

et musica antiqua [illegible] modulationem non solum [illegible]

hac arte [illegible] audire amplius convertere. Sed [illegible]

vulgus quod et [illegible] at est [illegible] ad hoc [illegible]

qua parte nisi [illegible] naturali [illegible] [illegible] regulata

[illegible] cum [illegible] et alia illa [illegible] forte [illegible] aliquo re

[illegible] et certe [illegible] hac mea monocordum dividendo [illegible] non [illegible]

a b corda [illegible] sit plana recta per medium [illegible] igitur

puncto — a ad a b diapason consonantiam [illegible] media et [illegible] a ad

per equalia divisa in q a q ad a b bis diapason [illegible]

melodiarum sonabit. Et quia [illegible] a q [illegible] divide [illegible]

diapason secundum quam [illegible] [illegible] divideti

et [illegible] consonantia potest indicari [illegible] cum [illegible]

[illegible] [illegible] [illegible] consonantie [illegible] [illegible] [illegible]

[illegible] [illegible] dicitur [illegible] ad [illegible] [illegible] divida a b

corda in [illegible] [illegible] [illegible] a [illegible] [illegible] alias [illegible]

[illegible] a f ad a b [illegible] [illegible] [illegible] diapente quod

[illegible] nisi per media [illegible] diatessaron a diapason [illegible] [illegible]

diatessaron

Et cum in cordis a g assignatis inveniemus [illegible] in a b ab ipsa [illegible]
ab [illegible] equa [illegible] una [illegible] sit b c aliaque [illegible] ipsius a c
a c ad a b diatessaron sonum facit. Consonancias in figuris restat tonos
consimiliter reperire [illegible] sunt [illegible] ad consonantias superdictas
[illegible] corda sit [illegible] a c tonum a c ad a b [illegible] tonum [illegible]
a c quam corda sit [illegible] c d ad a d a b ditonus [illegible]
Iam [illegible] in cordis a d a c [illegible] semitonium notum erit [illegible] a c
ad a b ditonum cum semitonio [illegible] diatessaron appellatur
Et quia [illegible] tonum cum semitonio [illegible] corda a b [illegible]
diapente [illegible] corda a b [illegible] ad a b
tonum cum diapente aut ditonum cum diatessaron [illegible] corda a c
[illegible] ad a c diatessaron. Et [illegible] ad a
b bis diatessaron [illegible] ad a [illegible] semitonium
inventum est [illegible] redit a g ad a b diapason
nota [illegible] tonum cum duobus semitoniis [illegible]
ut [illegible] est [illegible] diapason ad [illegible]
[illegible] ad [illegible] bis diapason [illegible] est [illegible]
[illegible] cordas [illegible] bis diapason cum diapente
[illegible] figura [illegible] orthogonii [illegible]
ad duo [illegible] latera [illegible] linea [illegible]
[illegible] attendit ad differenciam [illegible] descripta [illegible]
aliis figuris [illegible] ut oblongi [illegible]
[illegible] plana [illegible] hoc monocordum [illegible]
[illegible] figuras ad quas [illegible] monocor-
[illegible] exempli causa describere volo [illegible] in
hoc ordine conscriptas. Explicit musica [illegible]
Johannes de [illegible] Anno domini m° ccc xxxvij

a p° ad ultimum

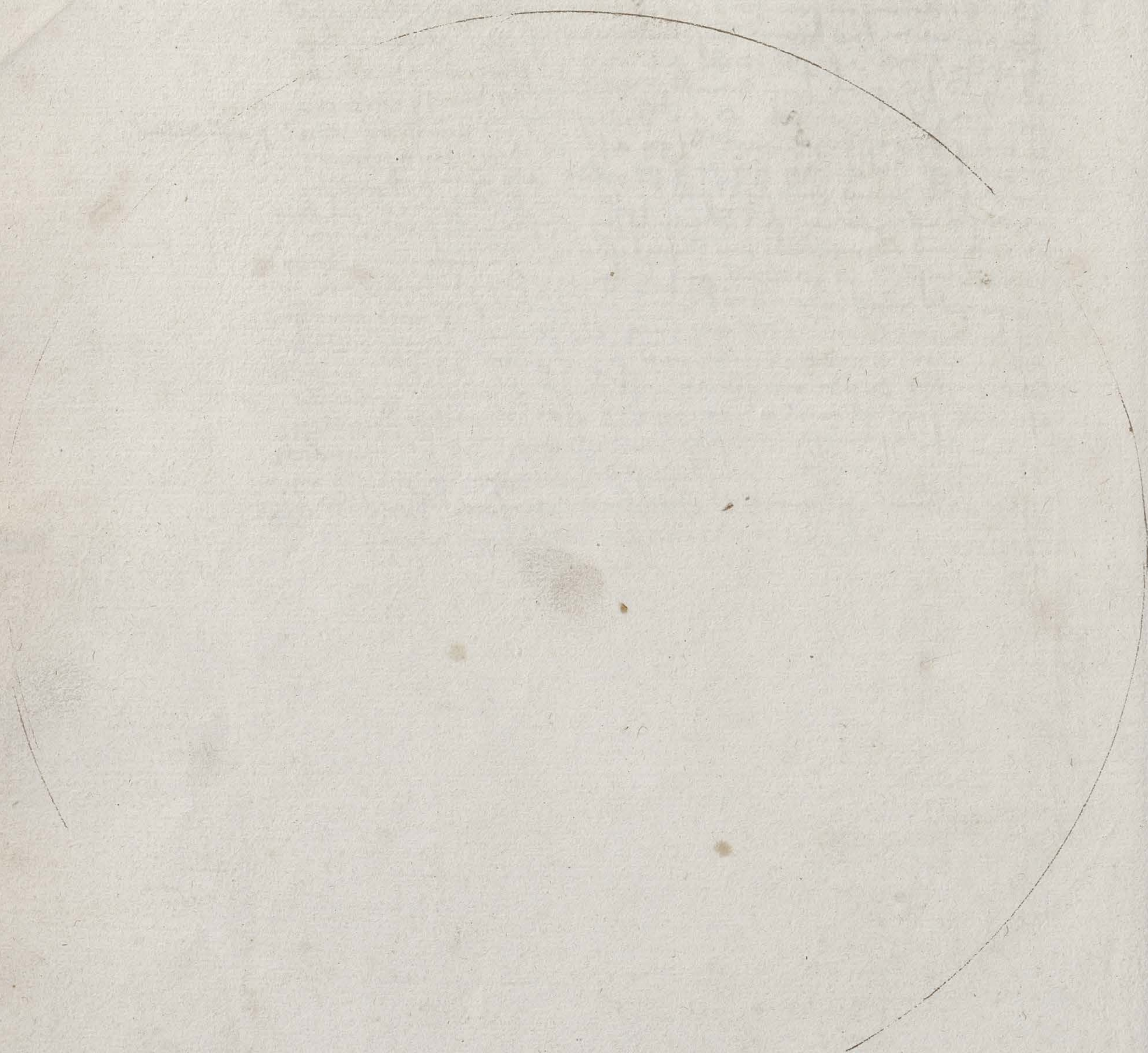
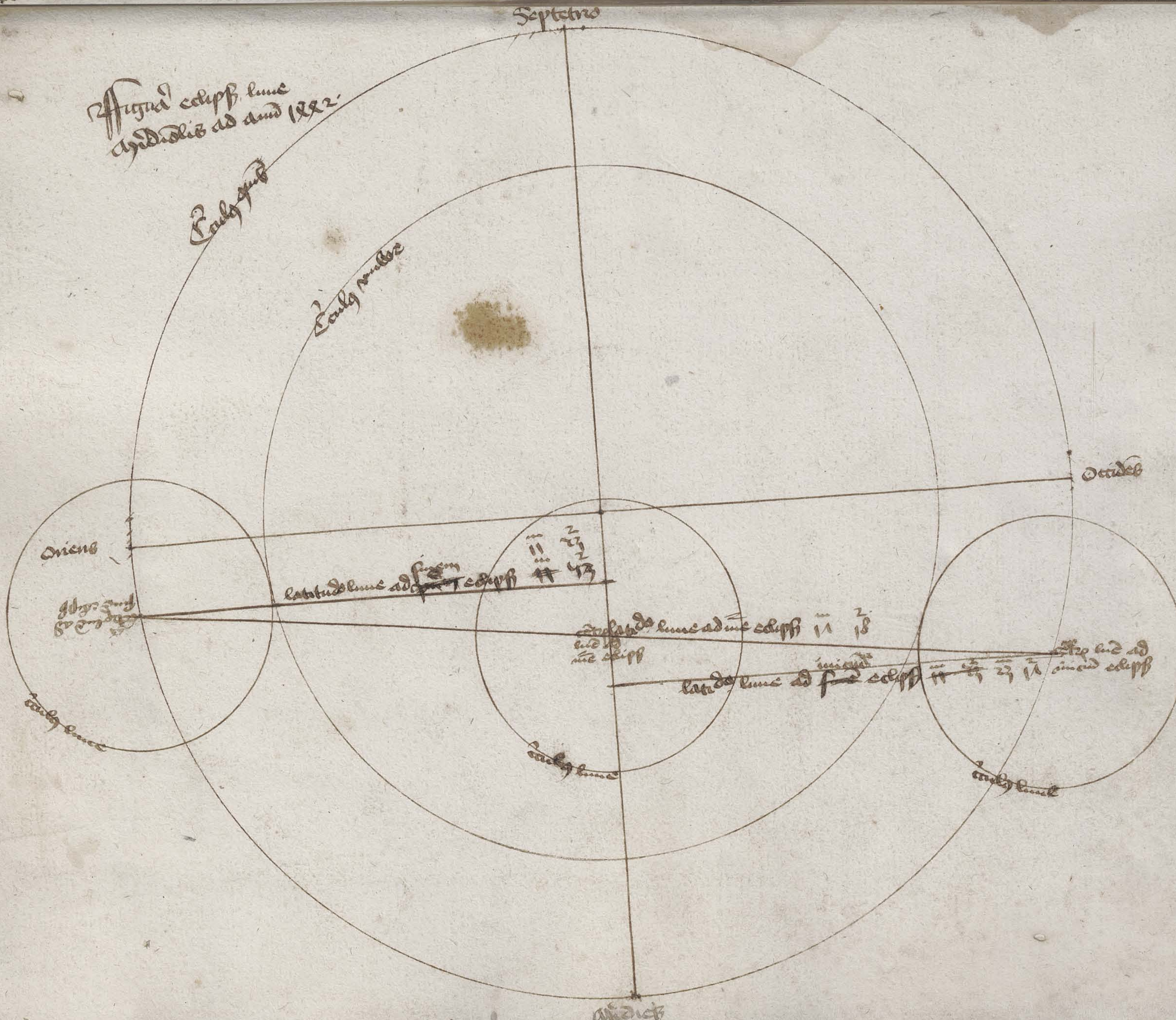
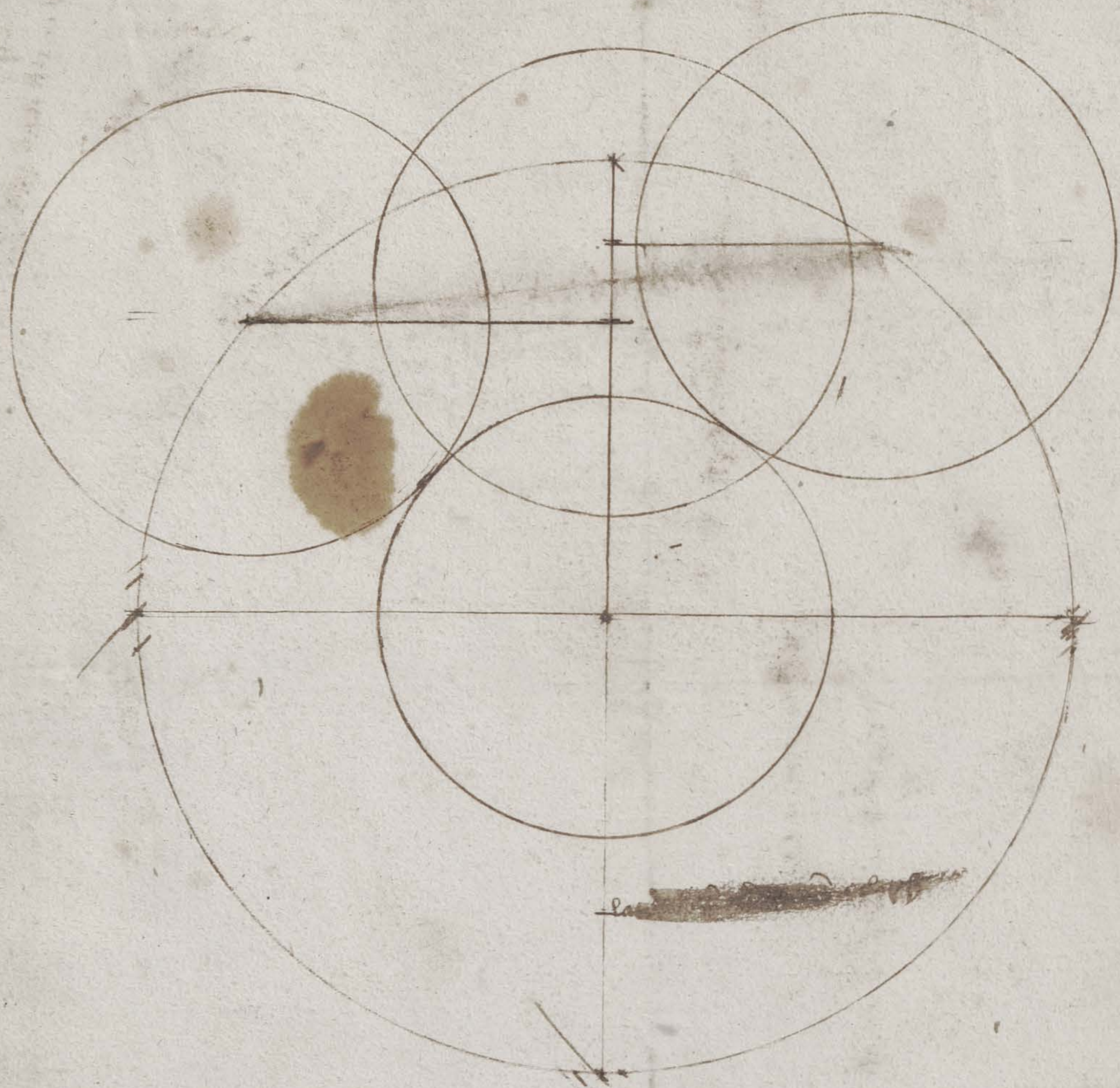


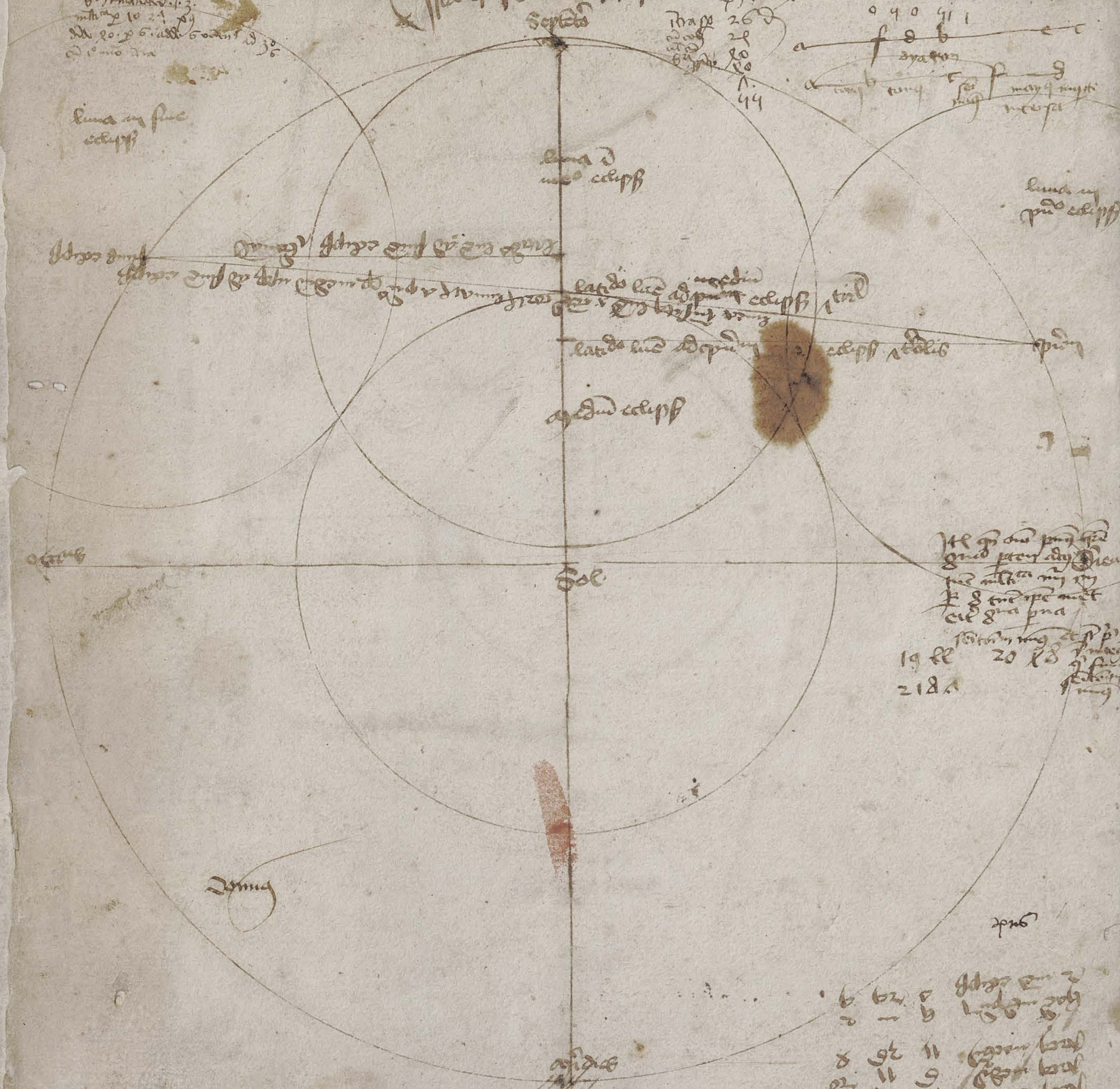
Figura eclipsis lune Meridialis ad annum 1442



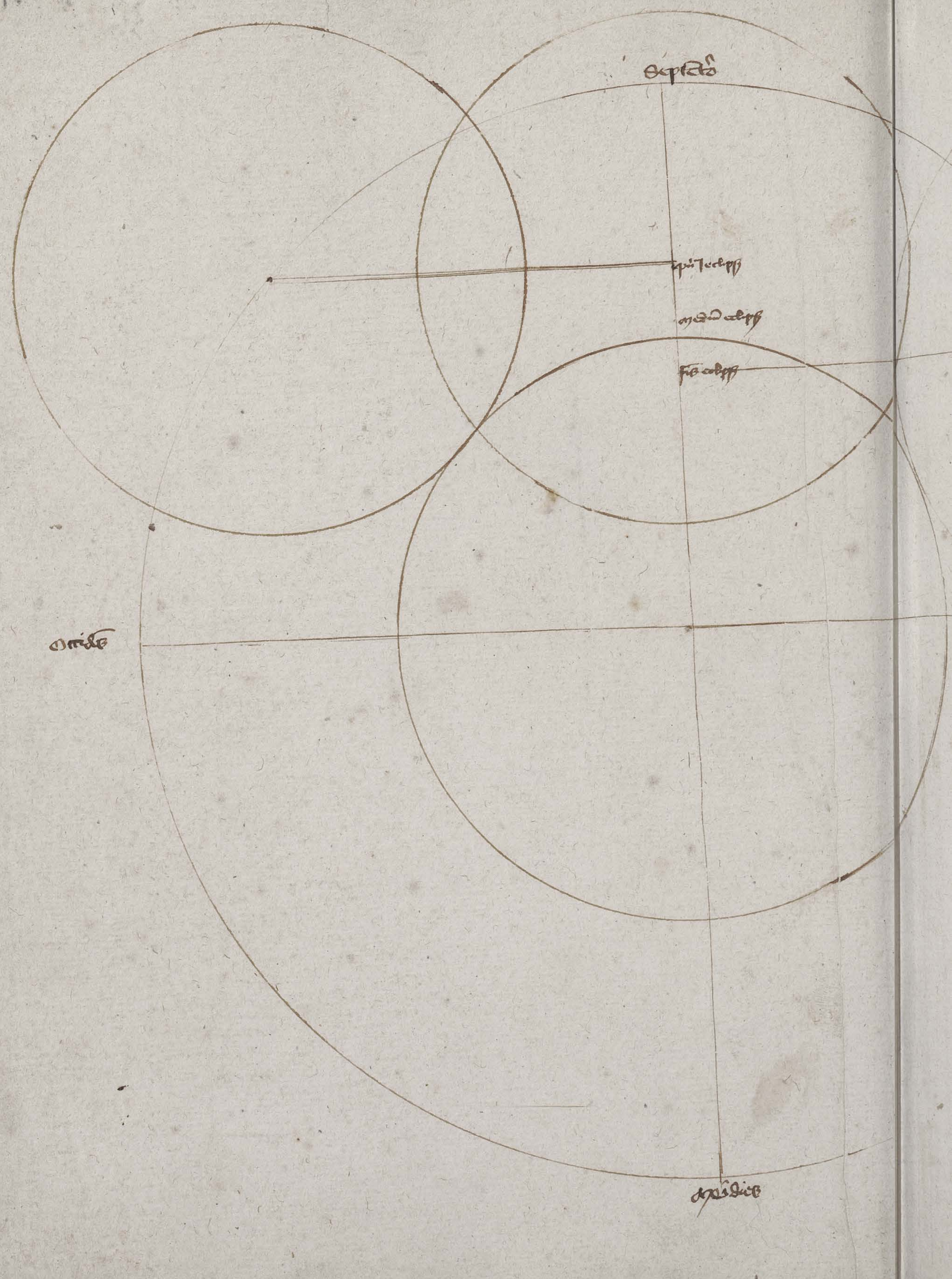


[illegible]

Ista est figura eclipsis solaris



[illegible]


Septentrio
Initium eclipsis
medium eclipsis
finis eclipsis
Oriens
Meridies


Oriens

[illegible]

Marg				
	4	7	2	1
[illegible]	0	4	3	30
60	0	6	5	15
80	0	8	7	0
100	0	10	8	45
200	0	20	17	30
300	0	30	26	15
400	0	40	35	0
500	0	50	43	45
600	1	0	52	30
700	1	11	1	15
800	1	21	10	0
900	1	32	18	45
1000	1	42	27	30
2000	3	2[illegible]	[illegible]	0
3000	5	[illegible]	22	30
4000	6	4[illegible]	50	0
5000	8	2[illegible]	[illegible]	30
6000	10	8	[illegible]	0
7000	11	50	12	30
8000	13	31	40	0

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100